

**ATLAS
OF THE
NON-MARINE MOLLUSCA
OF THE
BRITISH ISLES**



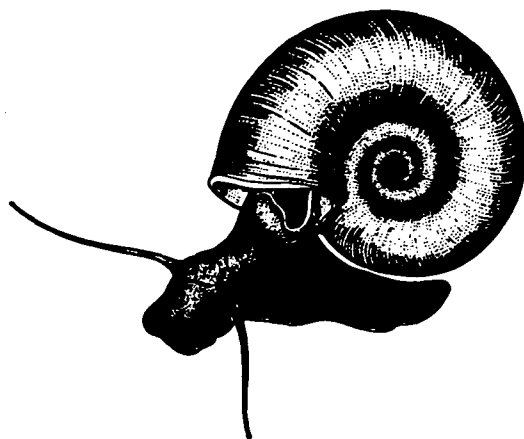
**Conchological Society of
Great Britain and Ireland
Natural Environment Research Council**

The cover shows *Cerneuella virgata* on Sea-beet (*Beta maritima* L.)
at Lulworth Cove, Dorset (photograph by Derek Rands)

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EUROPEAN INVERTEBRATE SURVEY
ATLAS
OF THE
NON-MARINE MOLLUSCA
OF THE
BRITISH ISLES



edited by
M.P. KERNEY

for the
Conchological Society of Great Britain and Ireland and the
Biological Records Centre, Institute of Terrestrial Ecology, Monks
Wood Experimental Station, Abbots Ripton, Huntingdon.

1976.

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Introduction

The land and freshwater Mollusca are not among the more neglected animal groups. Their scientific study has a long history in Britain, and the restricted distribution of certain species has attracted comment at least since the 17th century. In one respect publication of this atlas in the present year is specially appropriate: the Conchological Society of Great Britain & Ireland was founded exactly a hundred years ago, and it was in the same year (12 October 1876) that its first secretary, W.D. Roebuck, began systematically to accumulate authenticated records of land and freshwater molluscs for what was shortly to become the Society's official *Census of Distribution*. The units of recording adopted by Roebuck were the well-known botanical vice-counties of H.C. Watson (for Great Britain) and C.C. Babington and R.L. Praeger (for Ireland). The *Census* passed through no fewer than seven published editions beginning in 1885. The earlier of these show distributions in tabular form only, but the two last (Roebuck and Boycott, 1921; Ellis, 1951) also include complete sets of vice-comital maps. Earlier versions of a number of these had already appeared in Taylor's *Monograph* (1894-1921) from 1902 onwards. Increments were published annually in the Non-marine Recorder's Report in the *Journal of Conchology*, an arrangement which continues to the present day.

For Ireland, a set of vice-comital maps using the "typomap" system devised by Praeger (1906) was published by Stelfox as long ago as 1911, in what still remains the standard work on the distribution of non-marine molluscs in that country.

In 1961, following the example of the botanists, the Conchological Society decided to adopt the method of grid mapping. Systematic surveys were organized, and by 1976 about 115,000 new 10-kilometre square records had been filed. In addition, all earlier usable records contained in the thirty-odd M.S. volumes of the Society's vice-comital *Census* have been incorporated, and - for the rarer species - publications and museum collections have been searched. For Ireland, where the recent work remains less complete than in Britain, an attempt has been made to extract exhaustively all the accessible data (Kerney, 1973).

The result may be judged from the pages which follow. The first map makes it clear that already a very good coverage of the British Isles has been achieved. Thinly-worked areas of course

remain, but nevertheless the broad differences shown on this map do in fact significantly reflect true differences in regional species diversity ascribable mainly to climatic, topographical or geological factors. The individual distribution patterns may therefore be broadly accepted as "real", apart from a few cases involving recent segregates, special difficulties of identification, the minuteness or elusiveness of particular species, or other similar problems of which field workers will be aware.

The scheme is the most detailed undertaken for any invertebrate group of comparable size. Several molluscs previously unsuspected in the British Isles have been found (e.g., *Vitrea subrimata*, *Boettgerilla pallens*, *Sphaerium solidum*). Also, we now have much better information on questions of status, and of changes in distribution with time. Some species which were believed to be rare have turned out to be not uncommon, whilst some are obviously declining, and a few appear to be at serious risk. The value of such data as a guide to taking appropriate measures for protecting endangered species is evident. There have also been a number of less tangible results of the scheme. Collections made in the course of the surveys have focussed attention on problems of taxonomy and of geographical variation, for example in the *Arionidae* and *Limacidae*. In some cases an examination of interim distribution maps has revealed hitherto unsuspected relationships, suggesting further lines of enquiry. Research into field ecology has undoubtedly been stimulated.

It is hoped that publication of this first edition of the atlas will promote further interest in distribution studies, and will contribute towards the eventual compilation of unified maps for the Mollusca of Europe using the methods recommended by the committee of the European Invertebrate Survey (EIS); a few trial maps have already been published (Kerney, 1976a).

Special notes

The nomenclature and taxonomic arrangement adopted here follows the recent check lists by Waldén (1976) and Kerney 1976b), and is also in conformity with that to be used in a forthcoming field-guide to the terrestrial species of north-west Europe (Cameron and Kerney, in preparation). Specific synonyms used in the standard text book *British Snails* (Ellis, 1926; 1969) and in the last non-marine Census list (Ellis, 1951) are given in the index, plus a few others which may sometimes be encountered in 20th century British literature, notably in the classic papers of Boycott (1934, 1936) (The many generic name synonyms will, it is hoped, mostly be obvious and have been disregarded).

A very few taxa are not mapped separately owing to lack of sufficiently detailed information: these are *Arion rufus* (included with *Arion ater*, aggregate), *Limax flavus*, segregate (included with *Limax flavus*, aggregate) and *Euconulus alderi* (included with *Euconulus fulvus*, aggregate).

Naturalized introductions (e.g., *Hygromia cinctella*) are shown on the maps, although rare casuals (e.g., *Cochlostoma septemspirale*) and species established only in greenhouses (e.g., *Zonitoides arboreus*) have been omitted. Three possibly extinct species of doubtful status (*Milax nigricans*, *Bradybaena fruticum*, *Cernuella neglecta*) have however been included.

On most of the maps records not confirmed living for particular grid squares since 1950 are shown by a separate symbol. In practice, the great majority of such records fall into the period 1876-1914, whilst those in the "1950 onwards" category are nearly all later than 1961. Concentrations of old records in certain areas (especially in Ireland) should not necessarily be taken as evidence of recent extinction without first consulting the post-1950 coverage map.

Fossil occurrences are shown for certain terrestrial snails where there has been a significant contraction of range during the Flandrian (Postglacial) period; these are *Pomatias elegans*, *Acicula fusca*, *Succinea oblonga*, *Oxyloma sarsi*, *Truncatellina cylindrica*, *Vertigo pusilla*, *V. substriata*, *V. moulinsiana*, *V. lilljeborgi*, *V. alpestris*, *V. geyeri*, *V. angustior*, *Leiostryla anglica*, *Lauria sempronii*, *Spermodea lamellata*, *Ena montana*, *Zonitoides excavatus*, *Macrogastra rolphii*, *Monacha cartusiana*, *Helicodonta obvoluta* and *Helicigona lapicida*.

Finally, it may be noted that as an aid to the interpretation of the distribution patterns a set of transparent overlays will shortly be published by the Biological Records Centre.

Acknowledgements

The atlas is essentially a corporate effort, and I should like to thank all those people who have helped over the past fifteen years. Their names are as follows:

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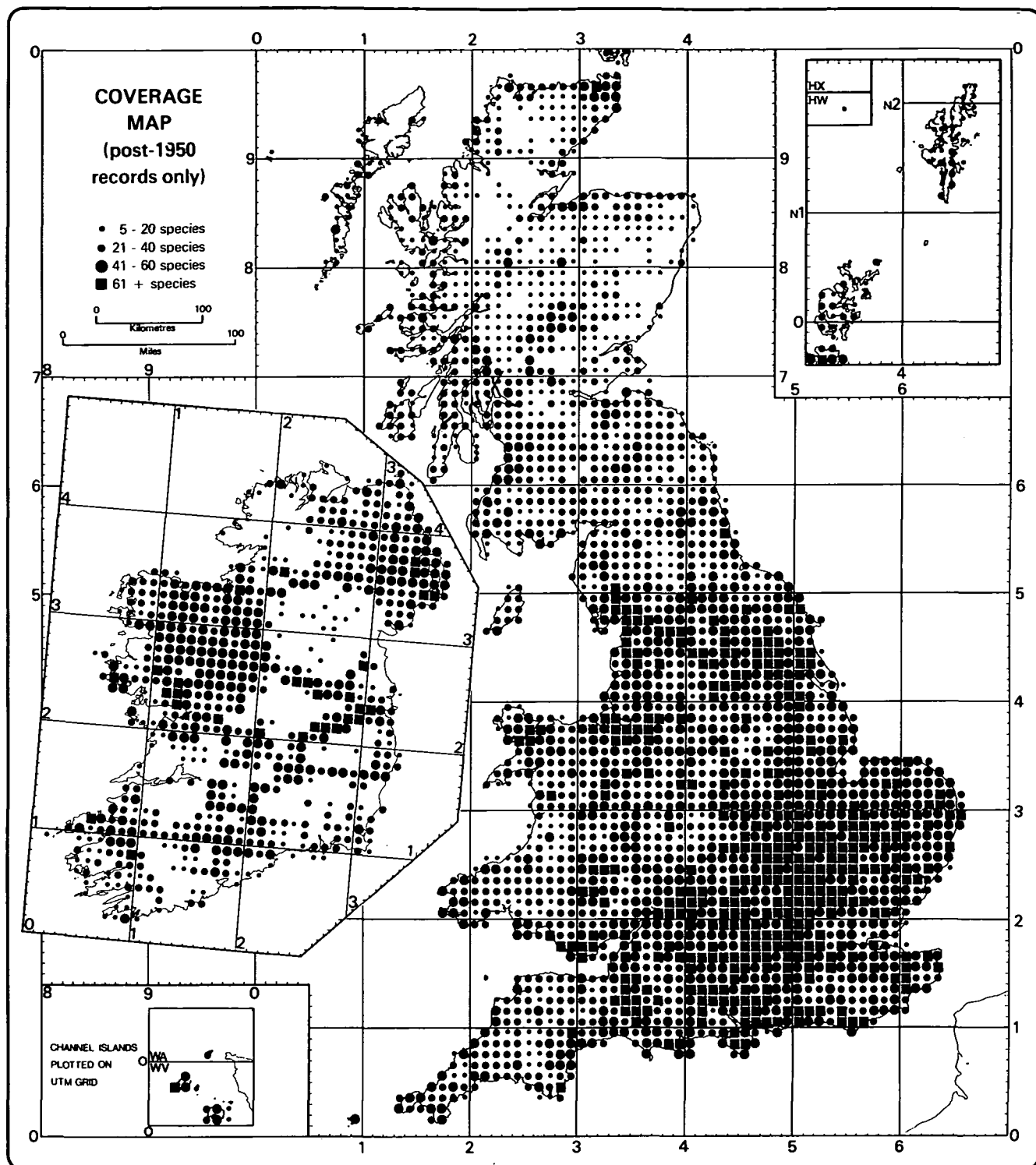
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M.P.Kerney
May 1976

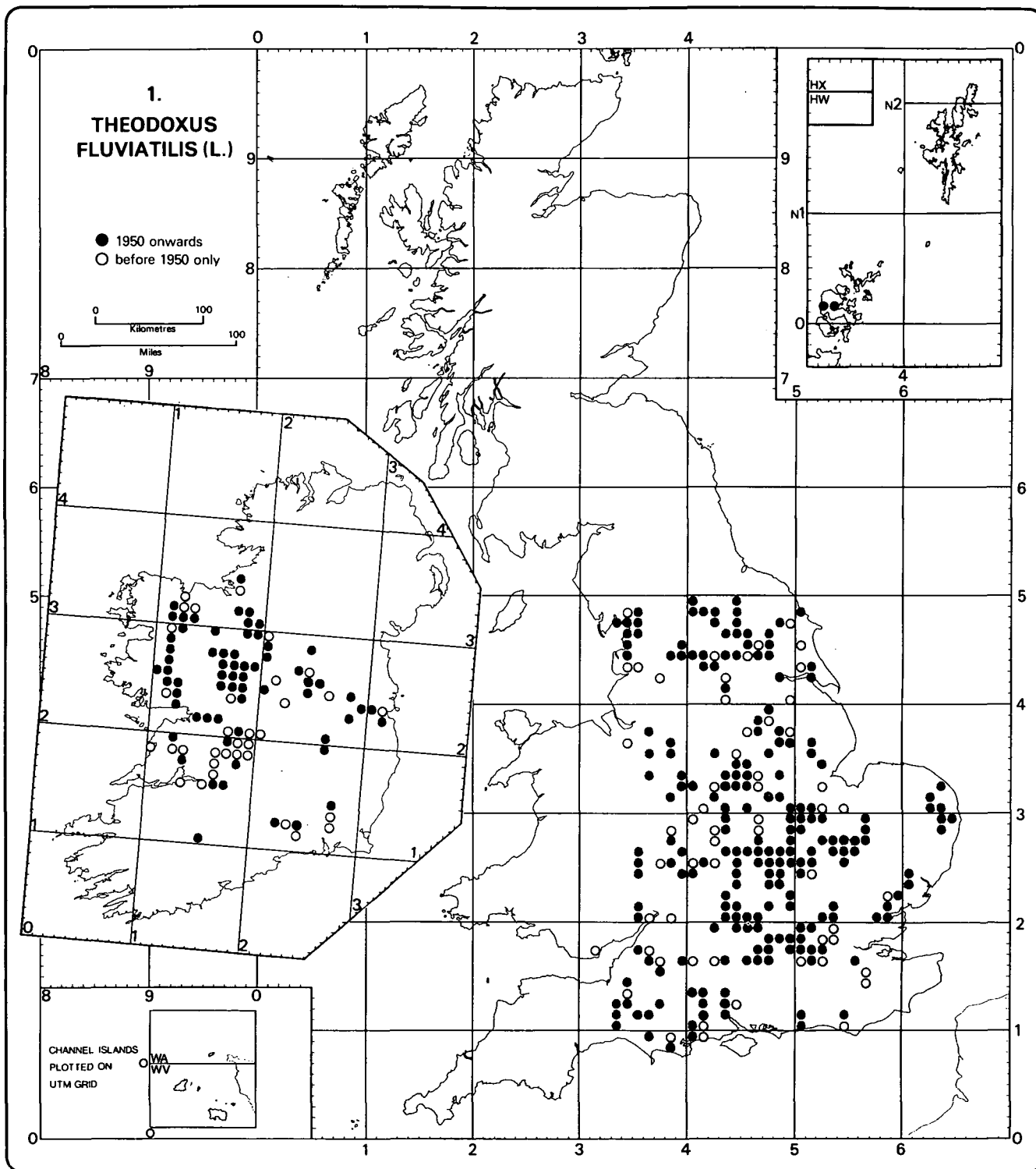
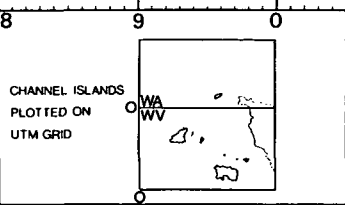
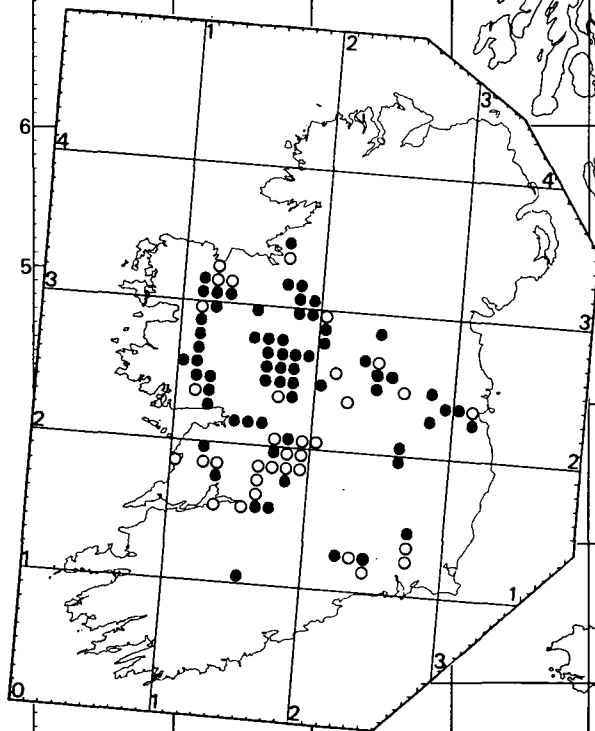
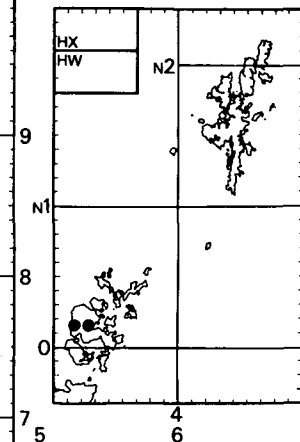
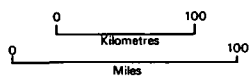
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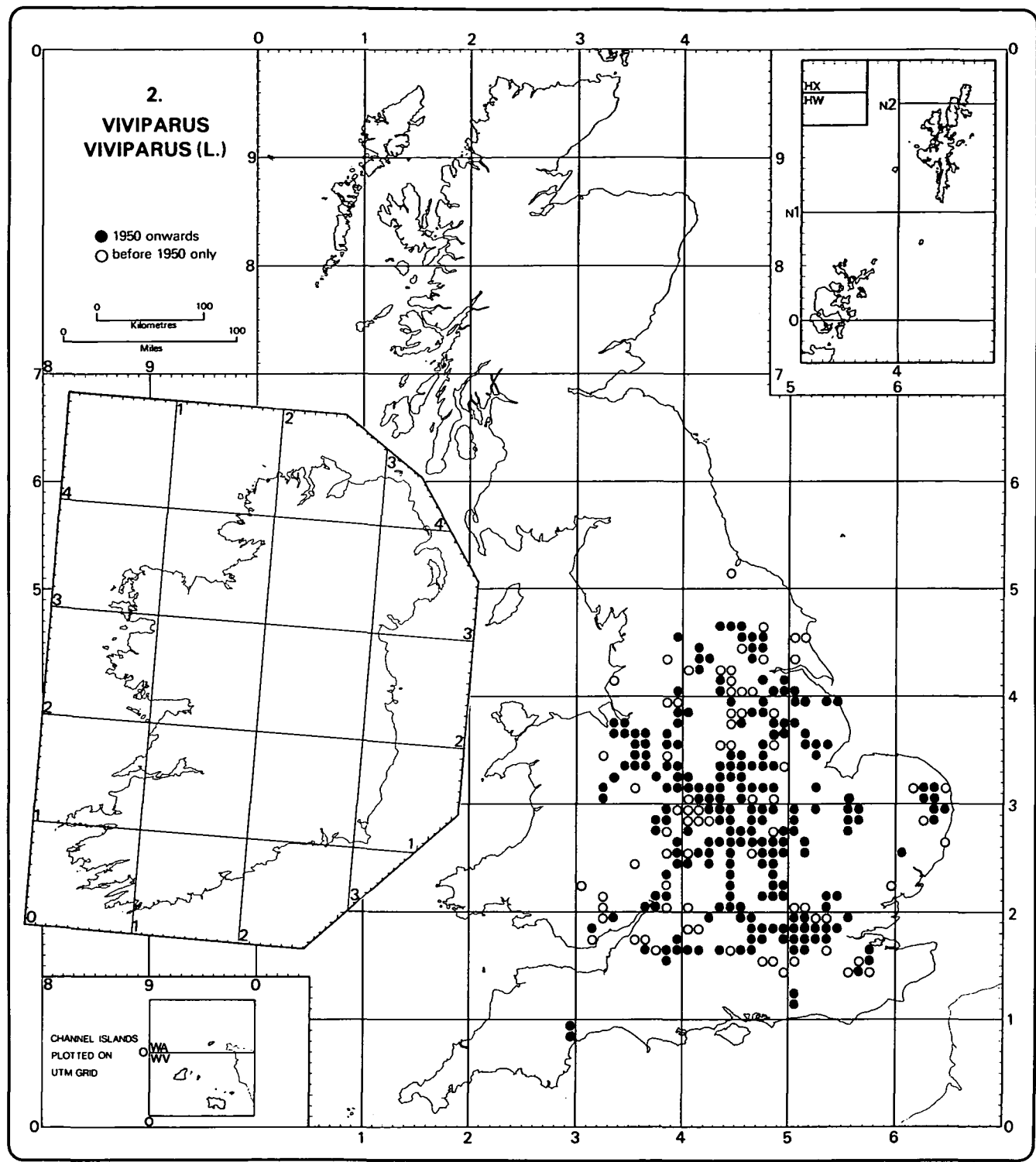
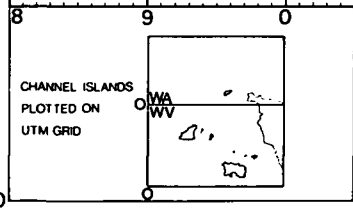
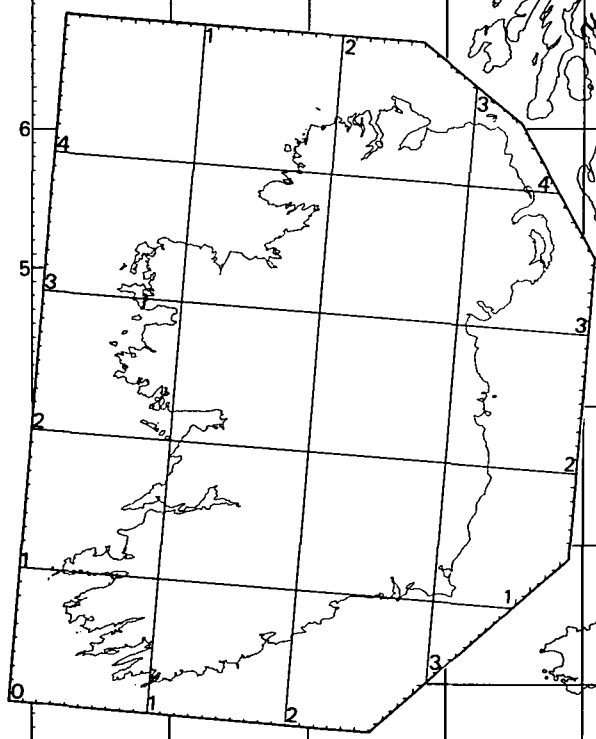
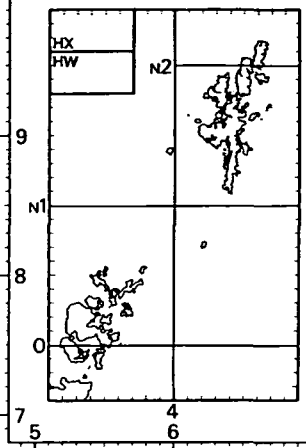
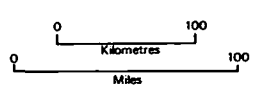
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THEODOXUS
FLUVIATILIS (L.)

- 1950 onwards
- before 1950 only



2.
VIVIPARUS
VIVIPARUS (L.)

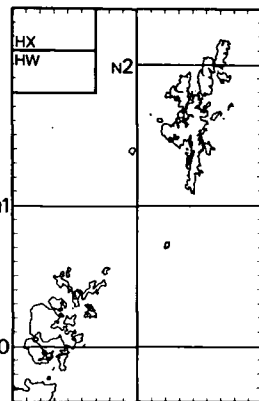
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○ before 1950 only



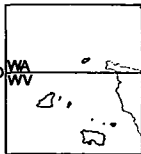
3. VIVIPARUS CONTECTUS (Millet)

● 1950 onwards
○ before 1950 only

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0 100
Miles

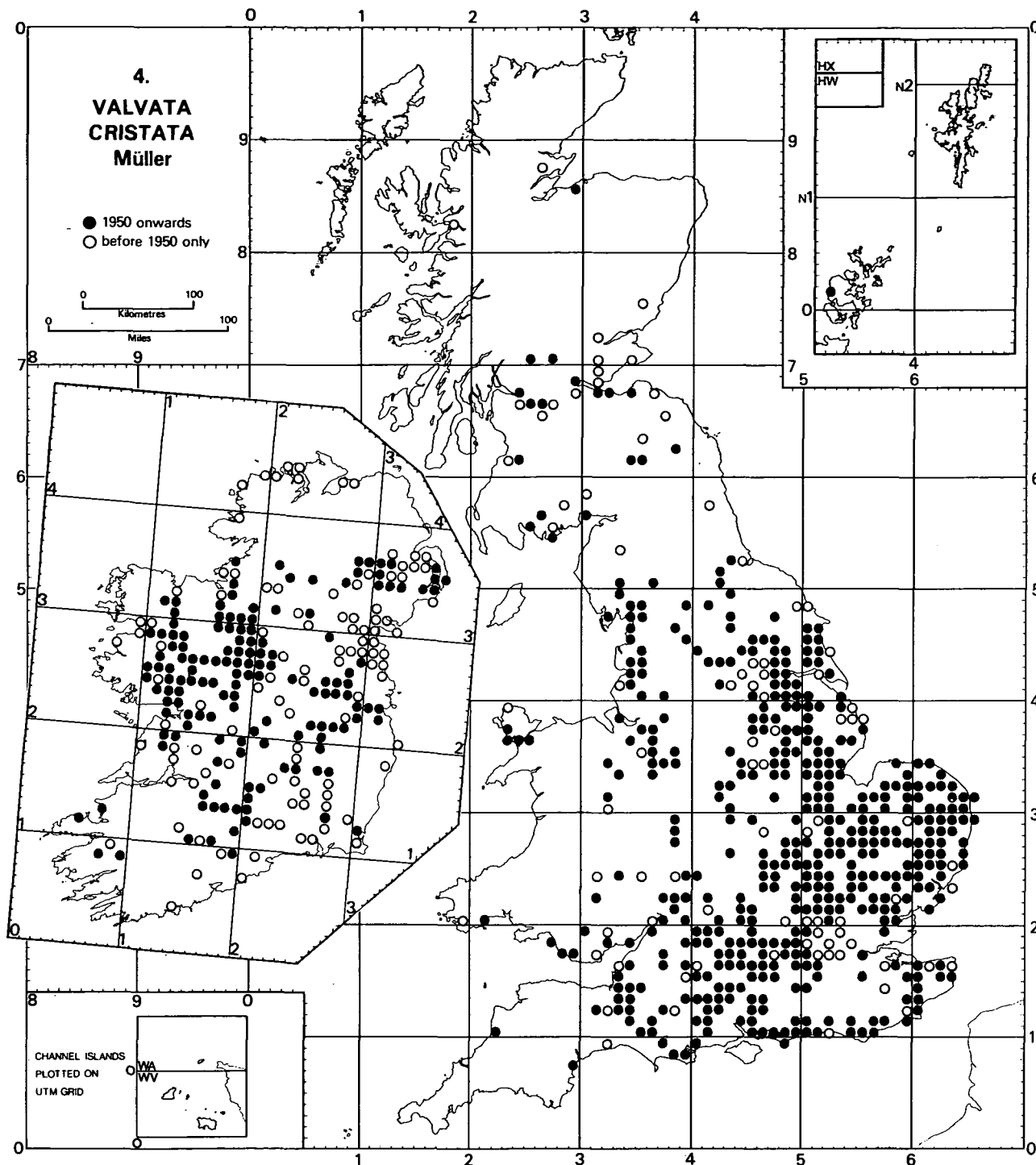
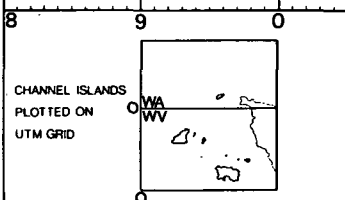
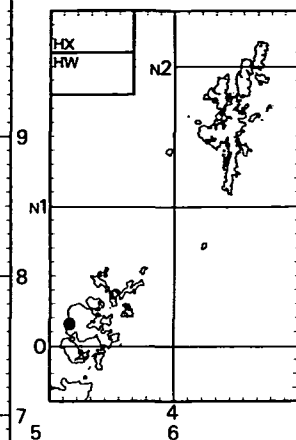
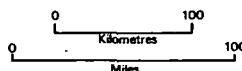


CHANNEL ISLANDS
PLOTTED ON
UTM GRID



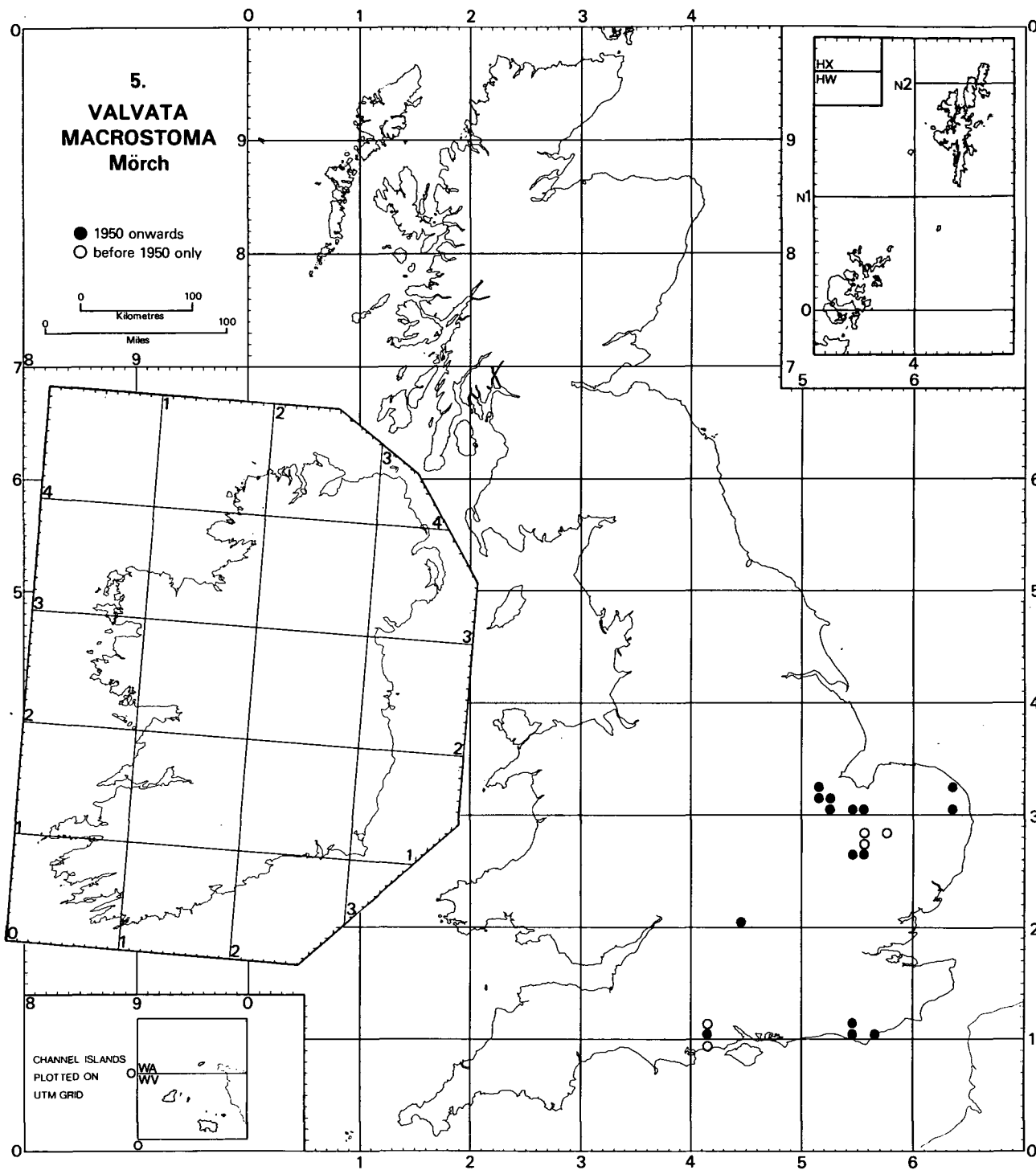
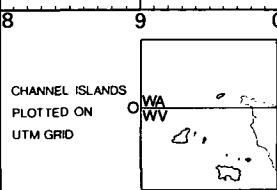
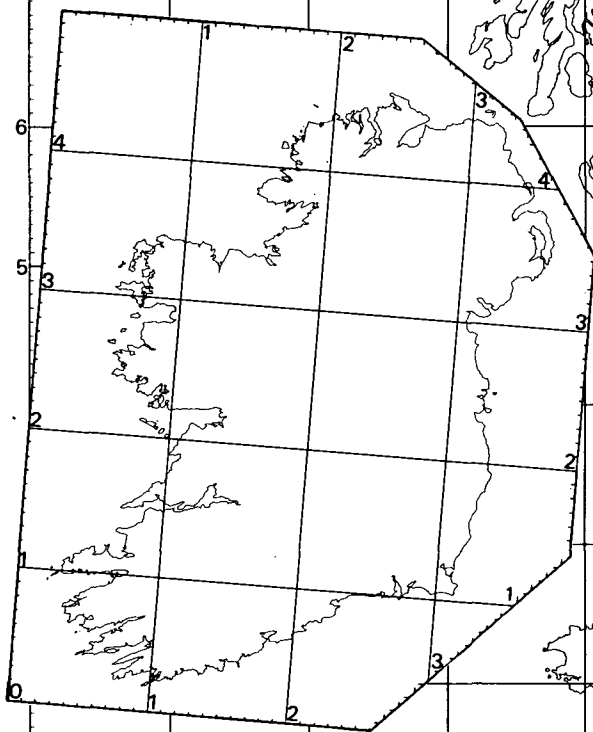
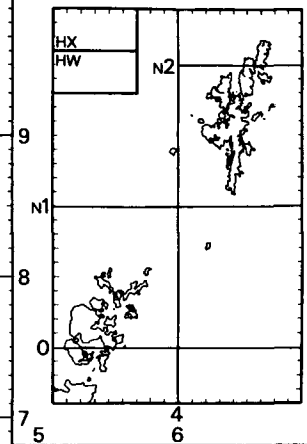
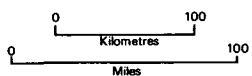
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VALVATA
CRISTATA
Müller

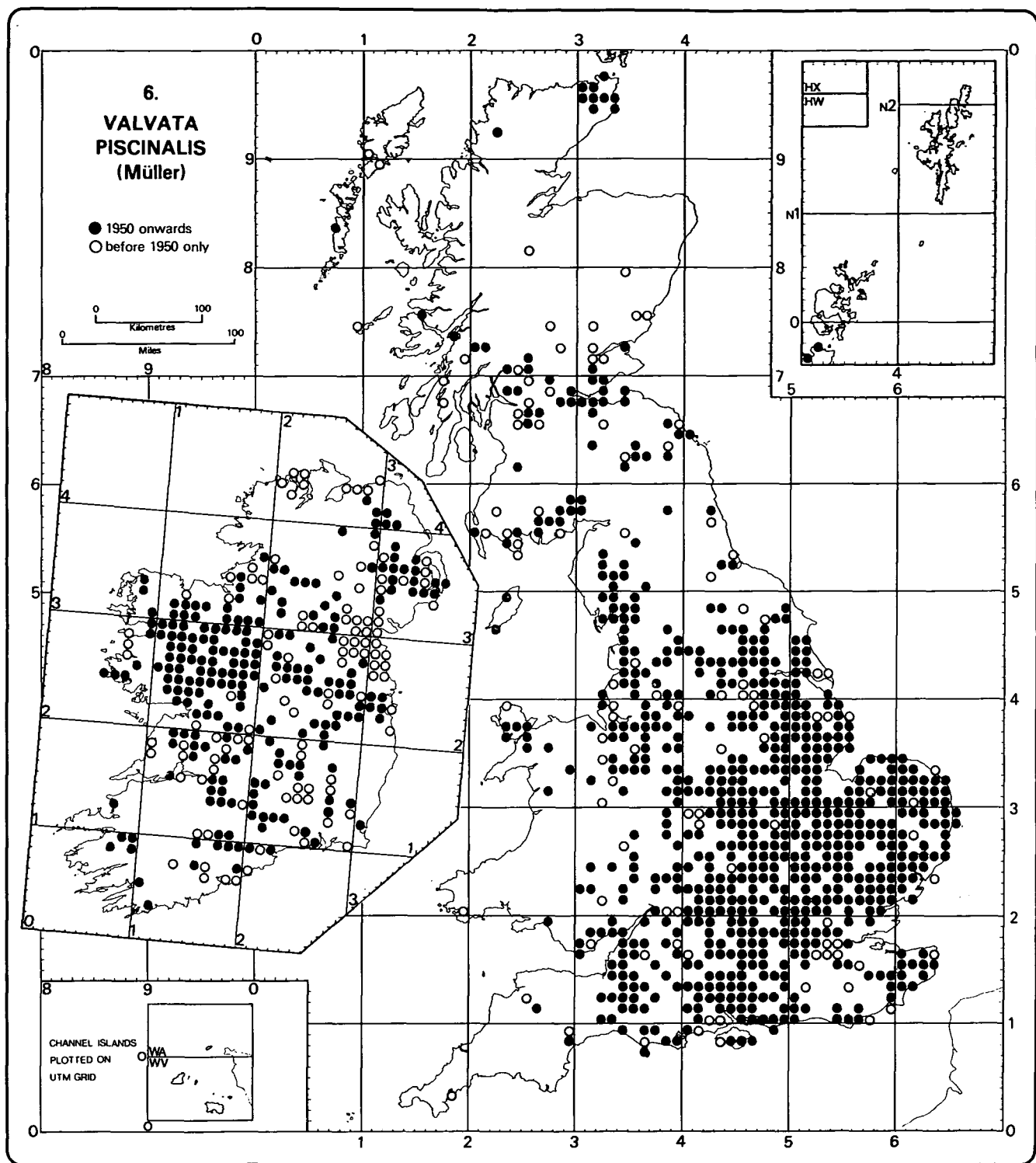
- 1950 onwards
- before 1950 only



5.
VALVATA
MACROSTOMA
Mörch

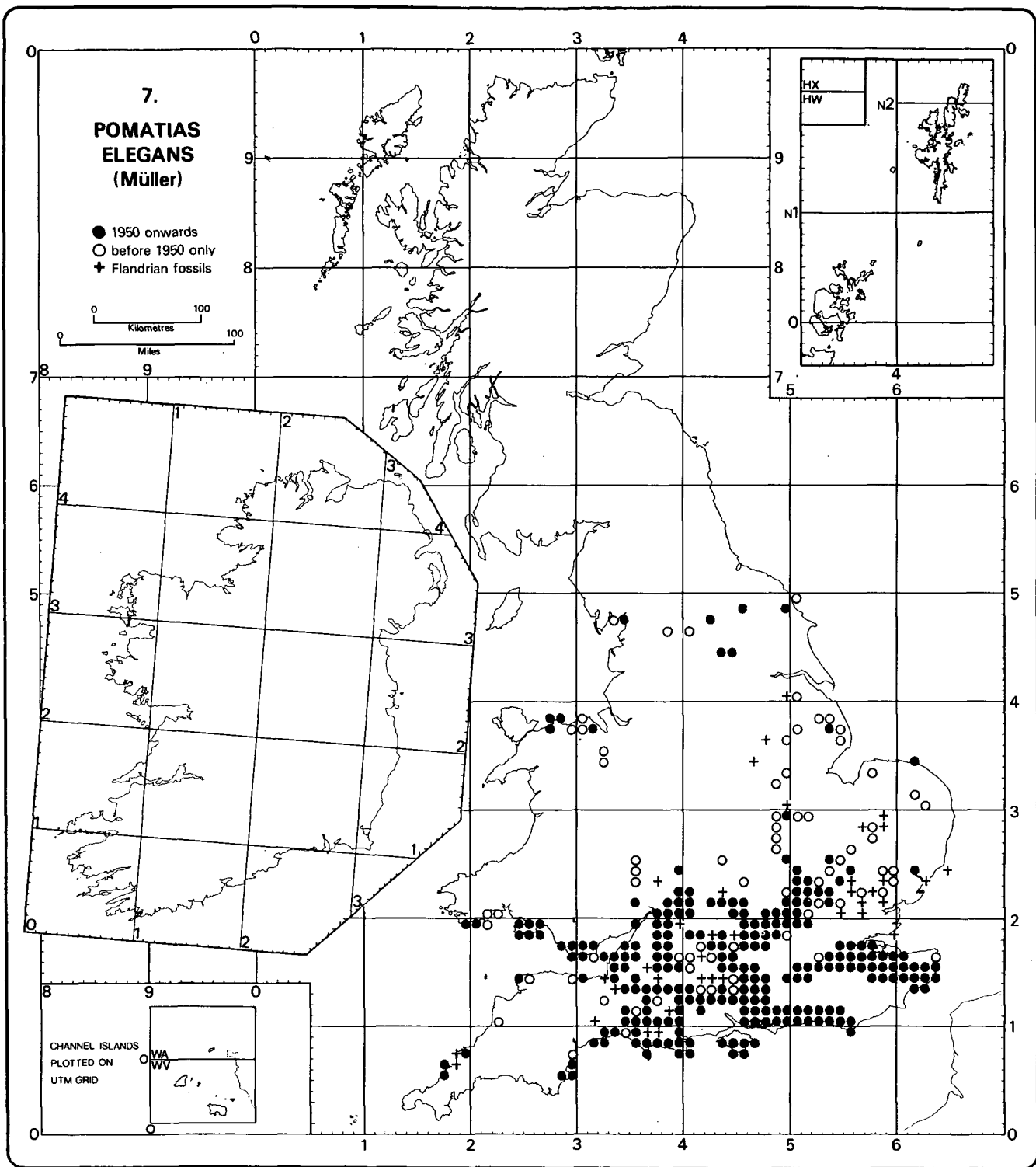
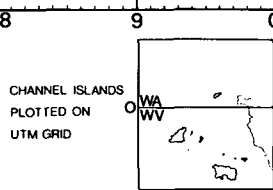
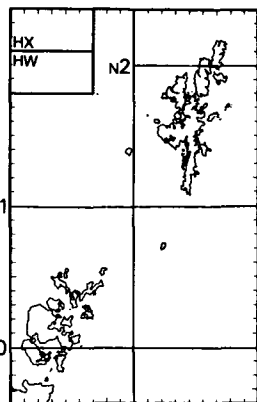
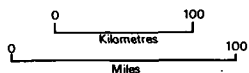
- 1950 onwards
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7.
**POMATIAS
ELEGANS
(Müller)**

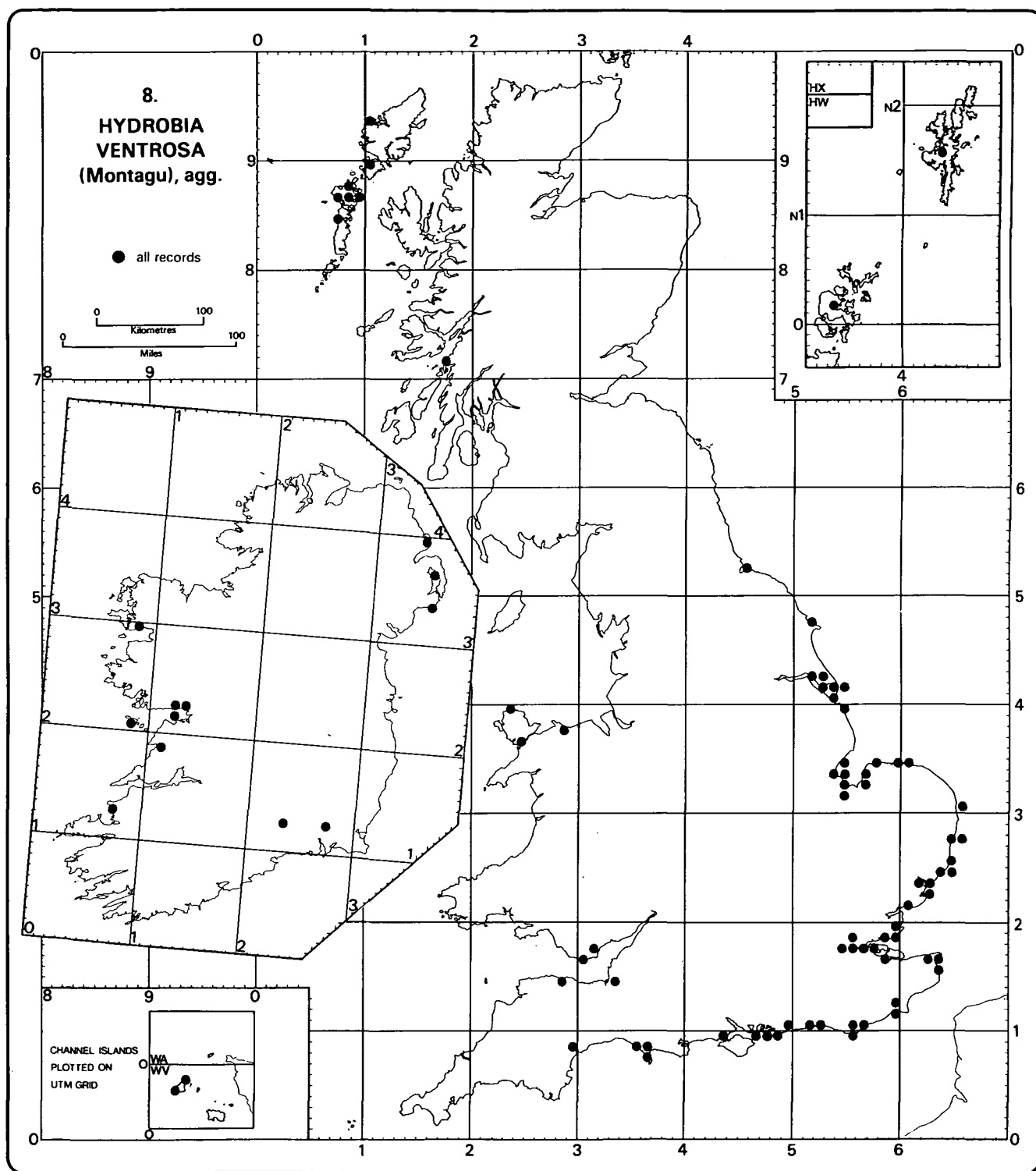
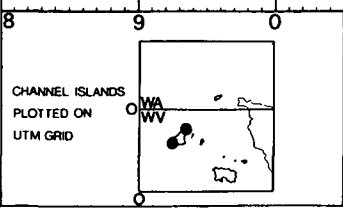
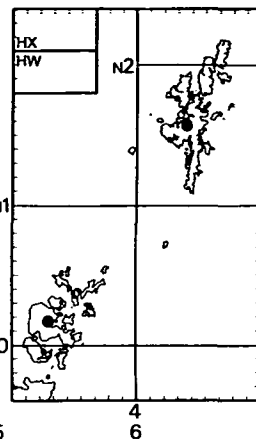
- 1950 onwards
- before 1950 only
- + Flandrian fossils



8.
HYDROBIA
VENTROSA
(Montagu), agg.

● all records

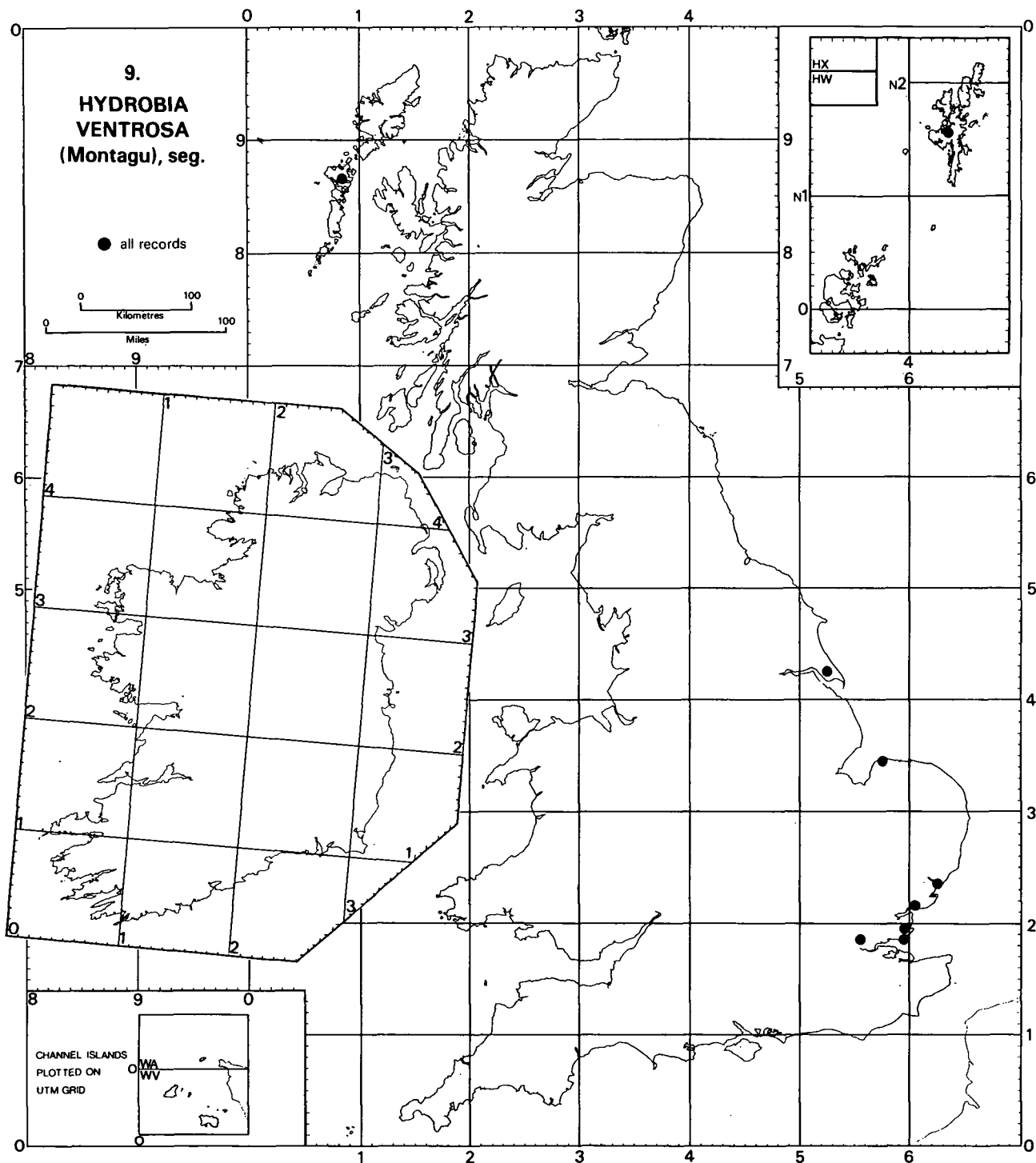
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Miles



9.
HYDROBIA
VENTROSA
(Montagu), seg.

● all records

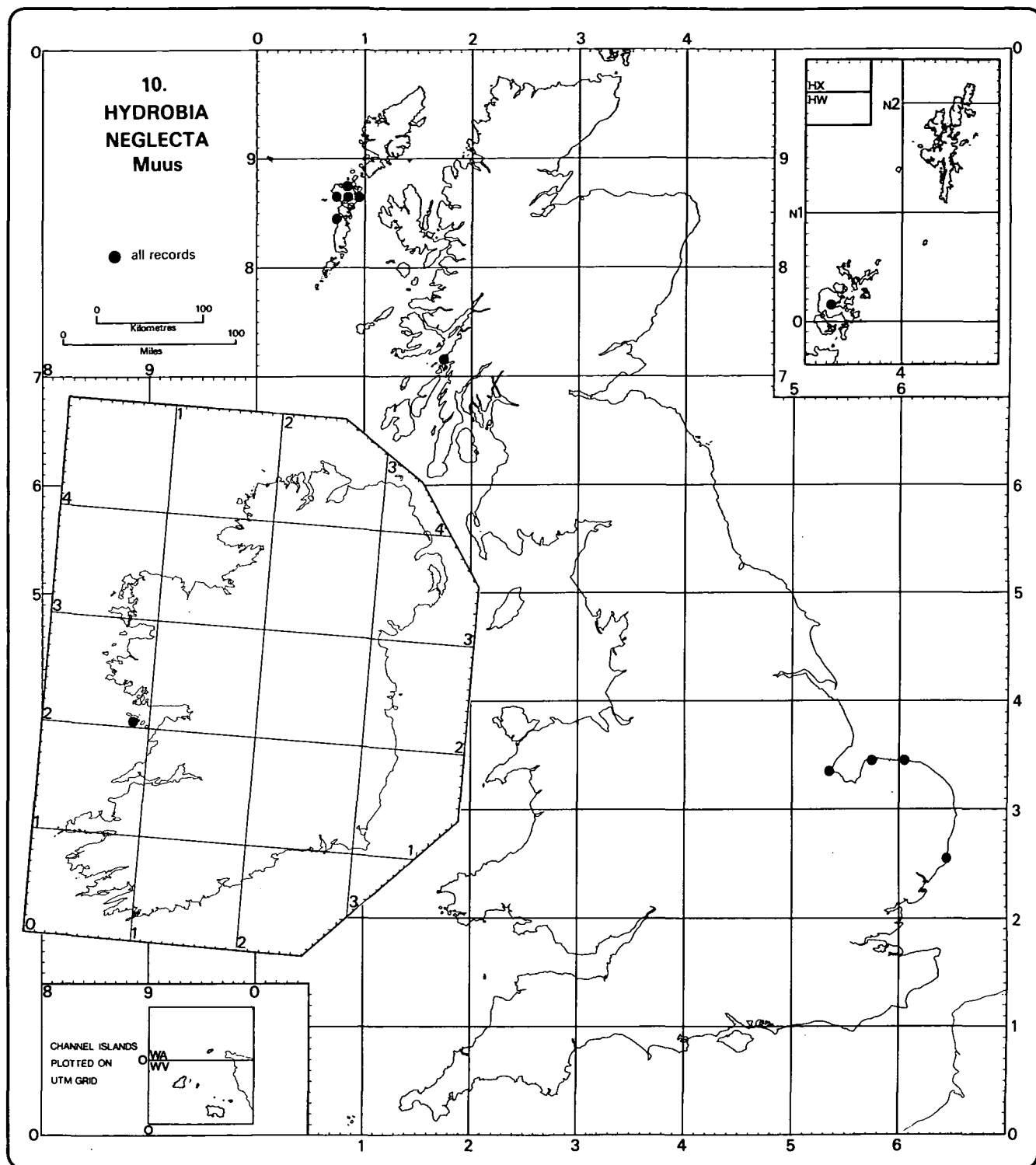
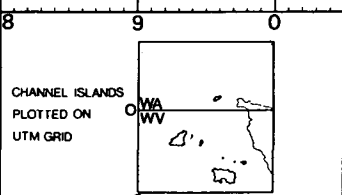
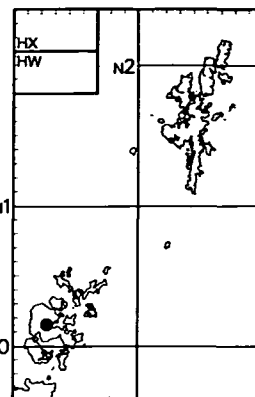
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10.
HYDROBIA
NEGLECTA
Muus

● all records

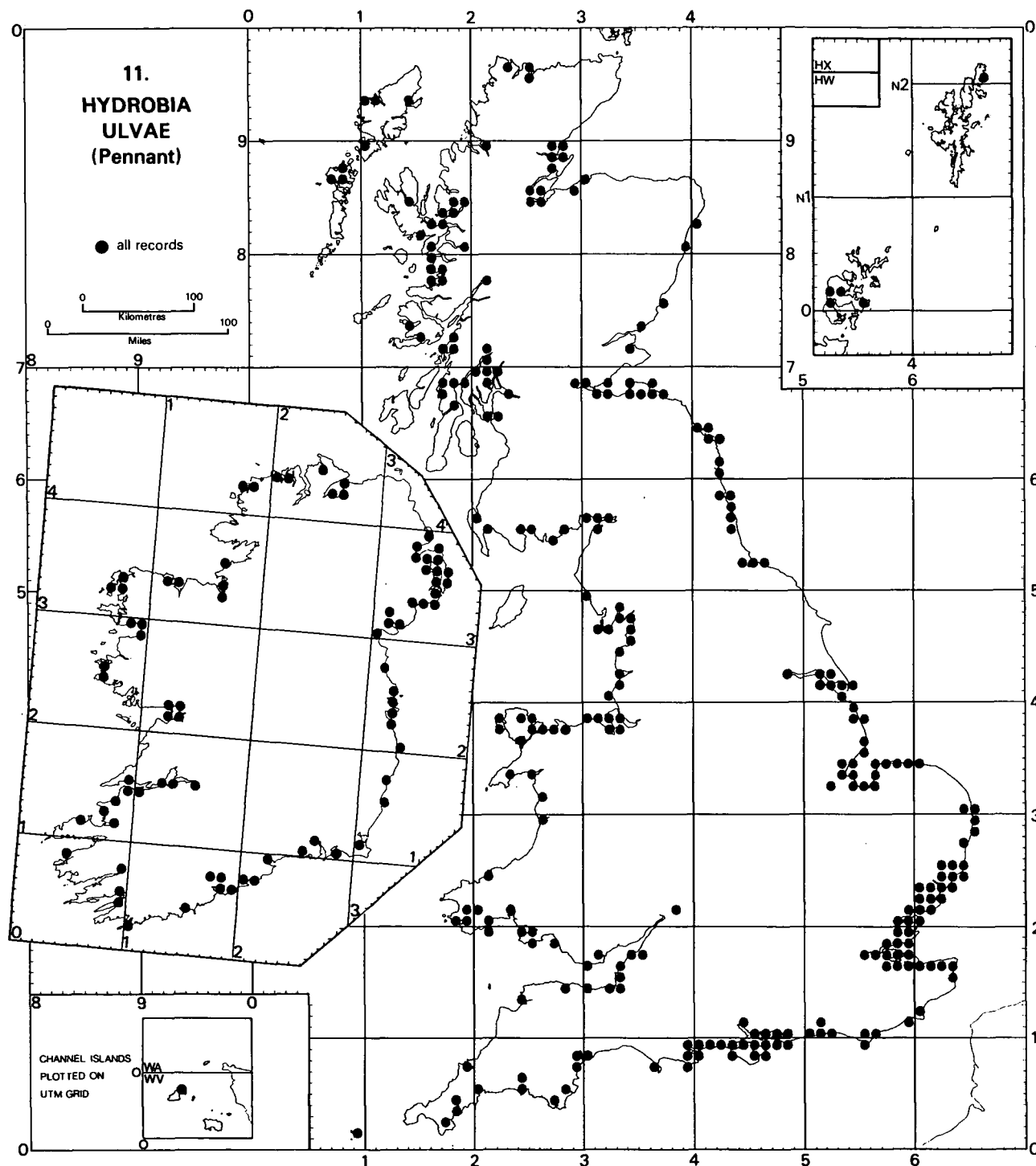
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11.
HYDROBIA
ULVAE
(Pennant)

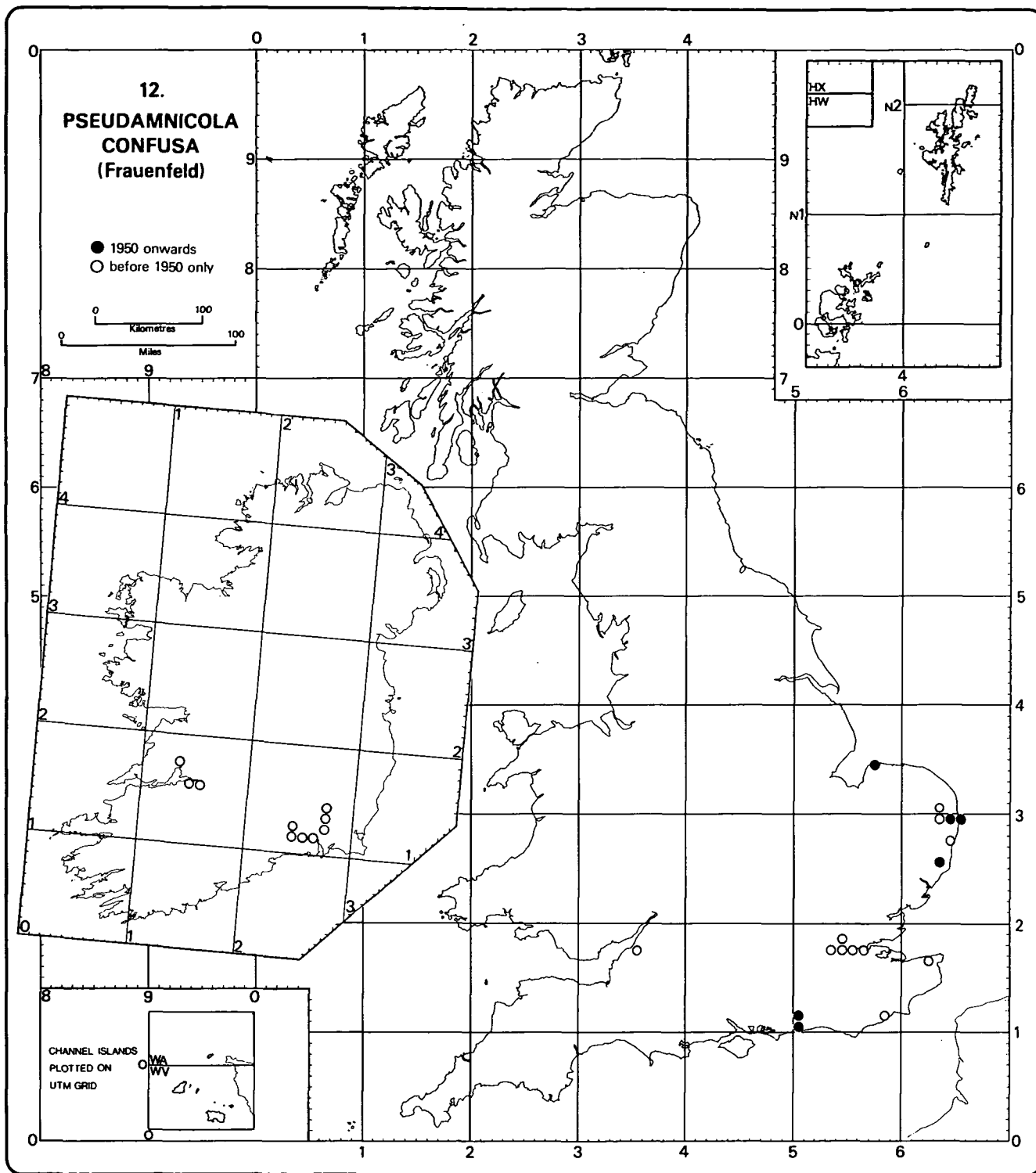
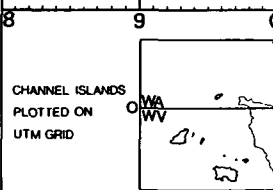
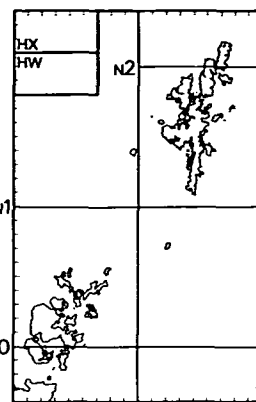
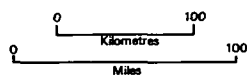
● all records

0 100
Kilometres
0 100
Miles



12.
PSEUDAMNICOLA
CONFUSA
(Frauenfeld)

- 1950 onwards
- before 1950 only

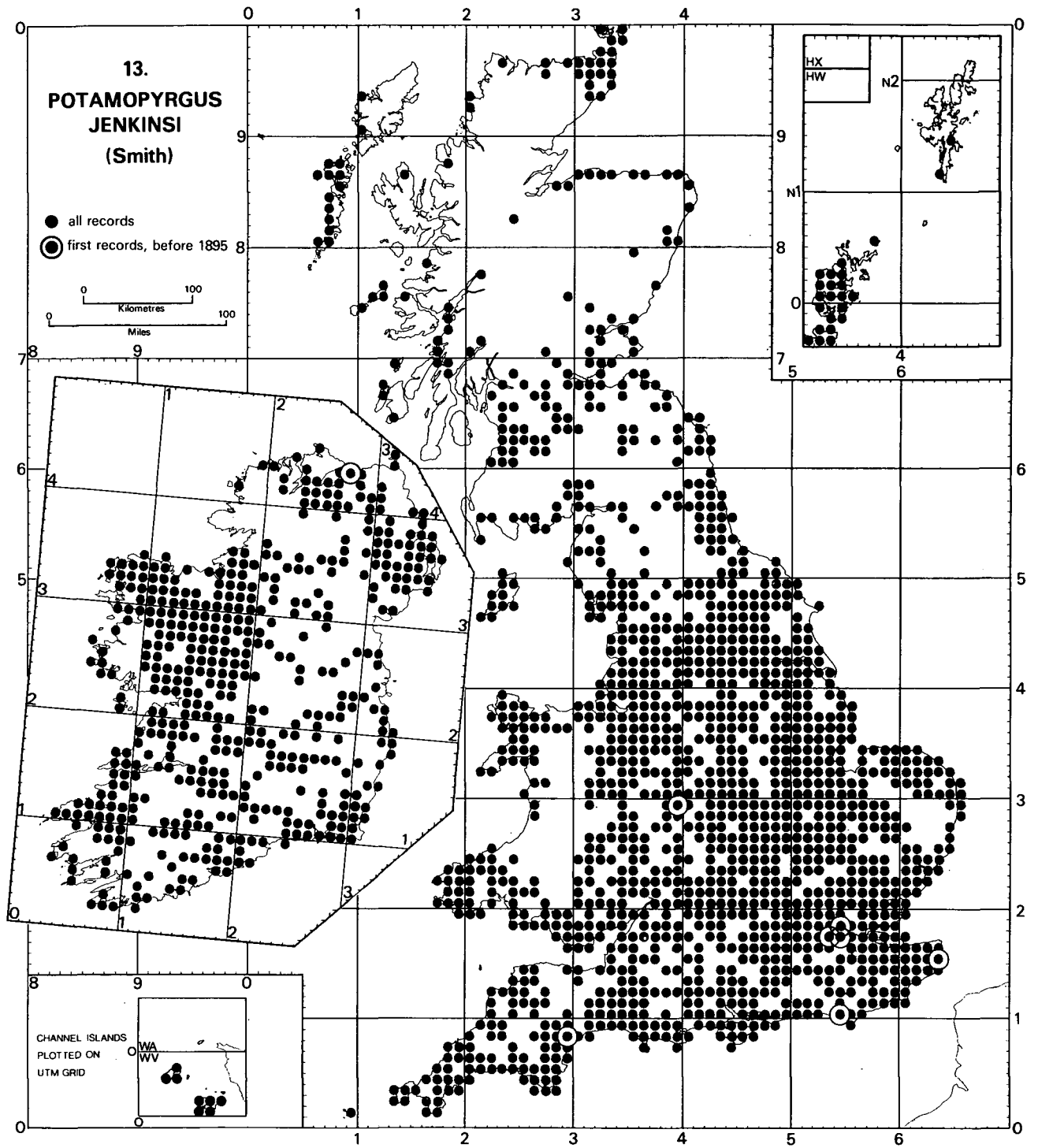
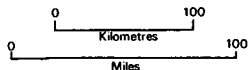


**POTAMOPYRGUS
JENKINSI**

(Smith)

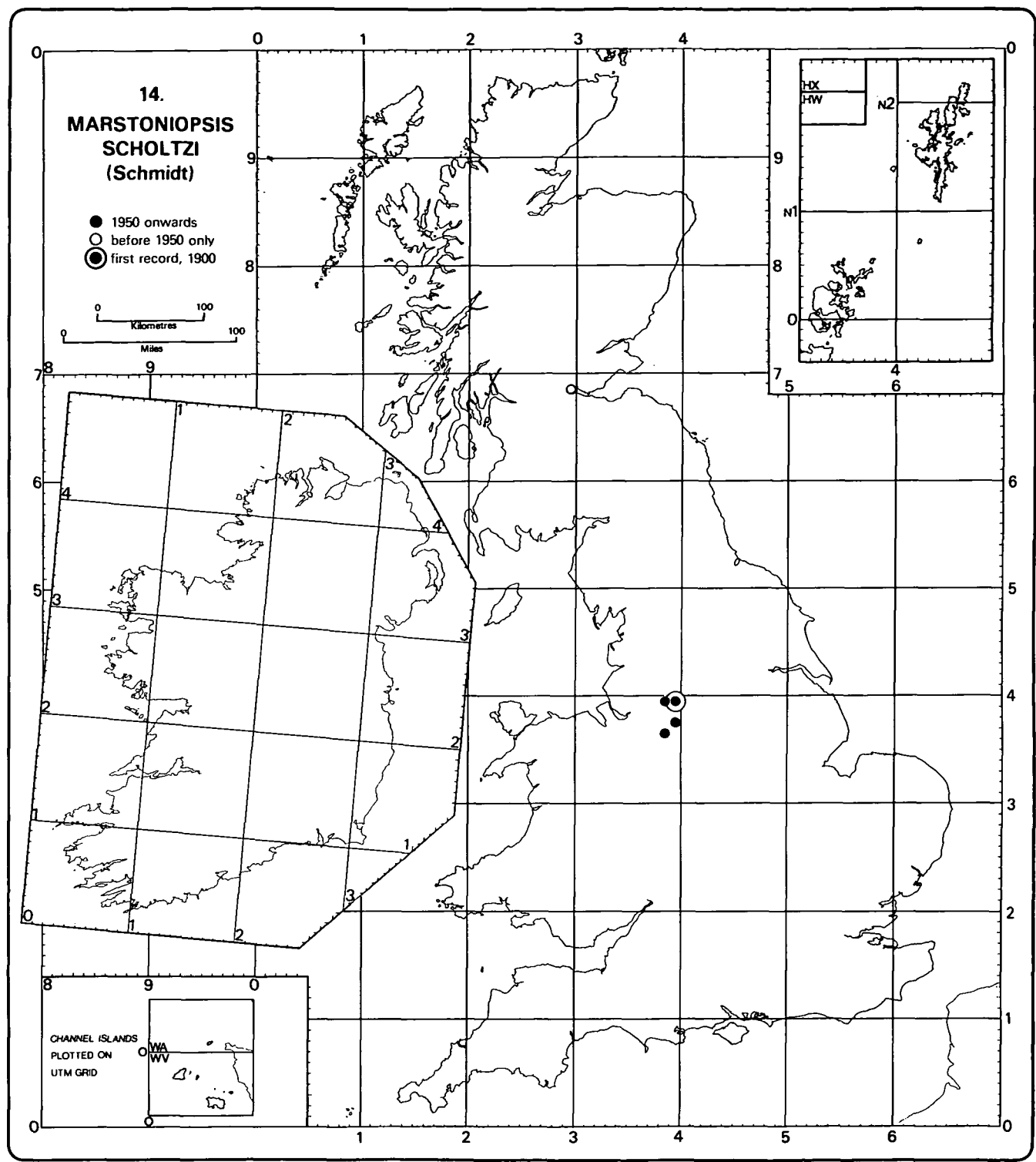
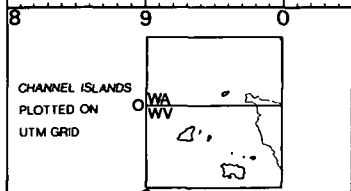
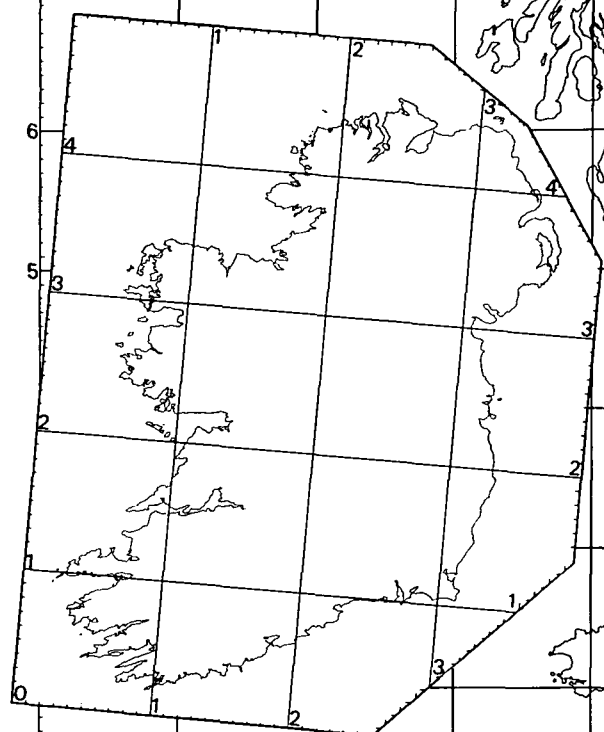
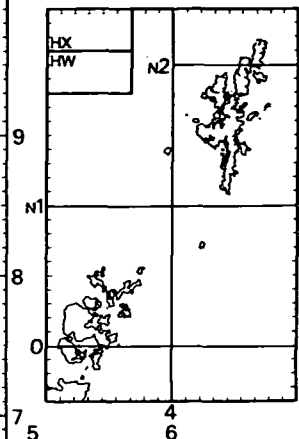
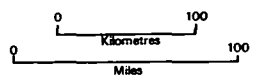
- all records

● first records, before 1895 8



14.
MARSTONIOPSIS
SCHOLTZI
(Schmidt)

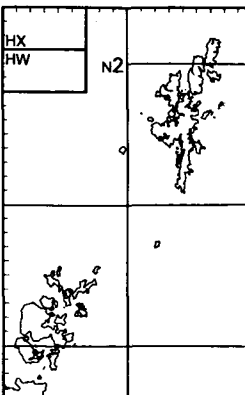
- 1950 onwards
- before 1950 only
- ⊙ first record, 1900



TENTACULATA (L.)

C

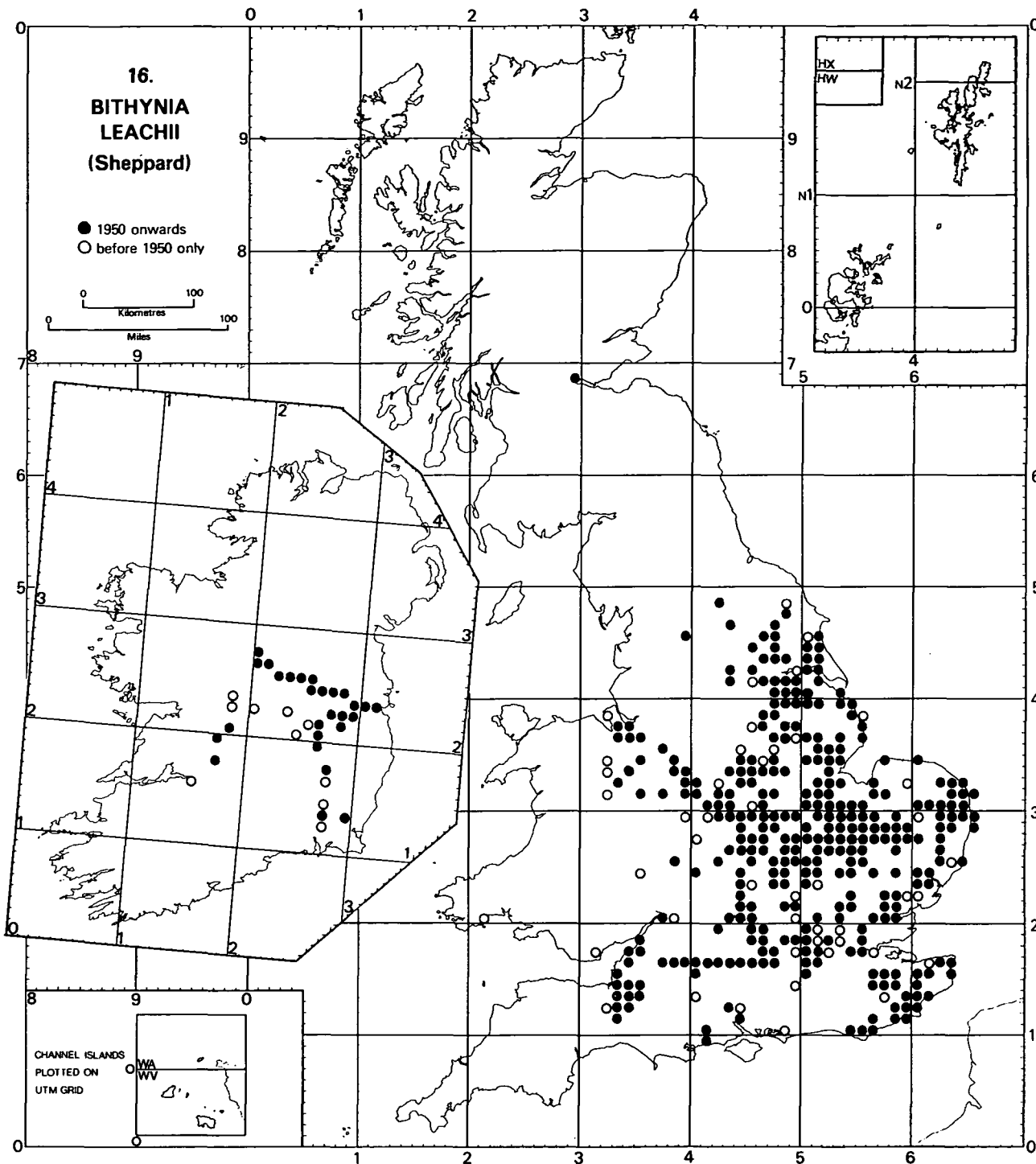
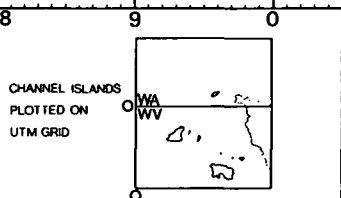
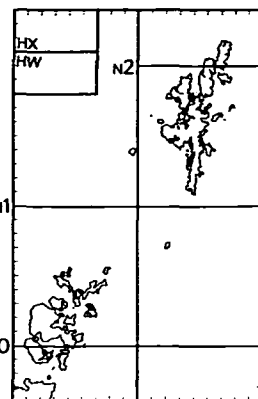
C



16.
BITHYNIA
LEACHII
(Sheppard)

● 1950 onwards
○ before 1950 only

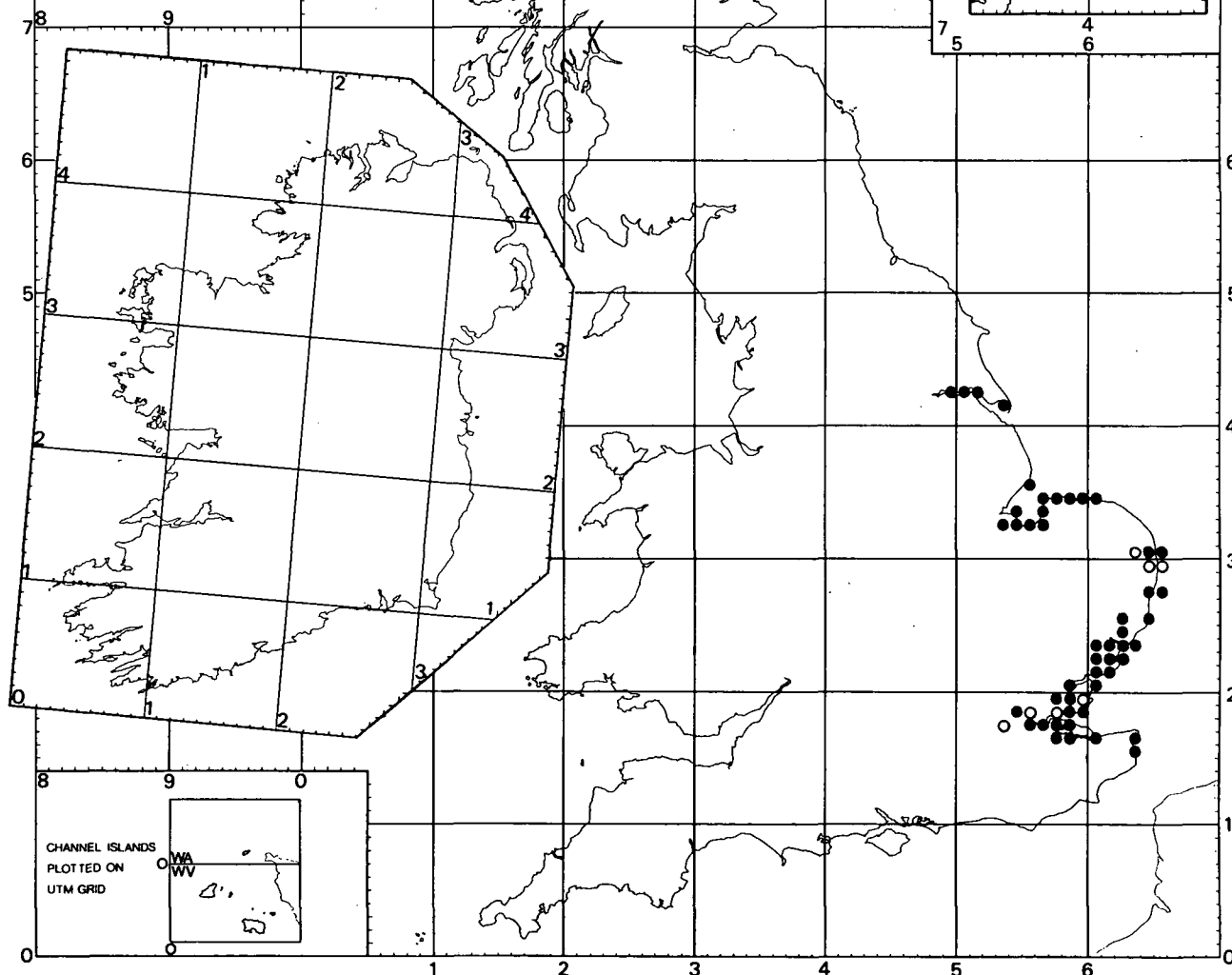
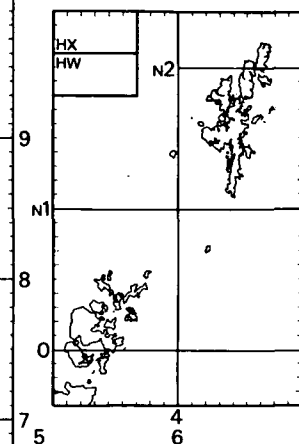
0 100
Kilometres
0 100
Miles



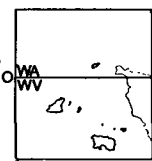
17.
ASSIMINEA
GRAYANA
Fleming

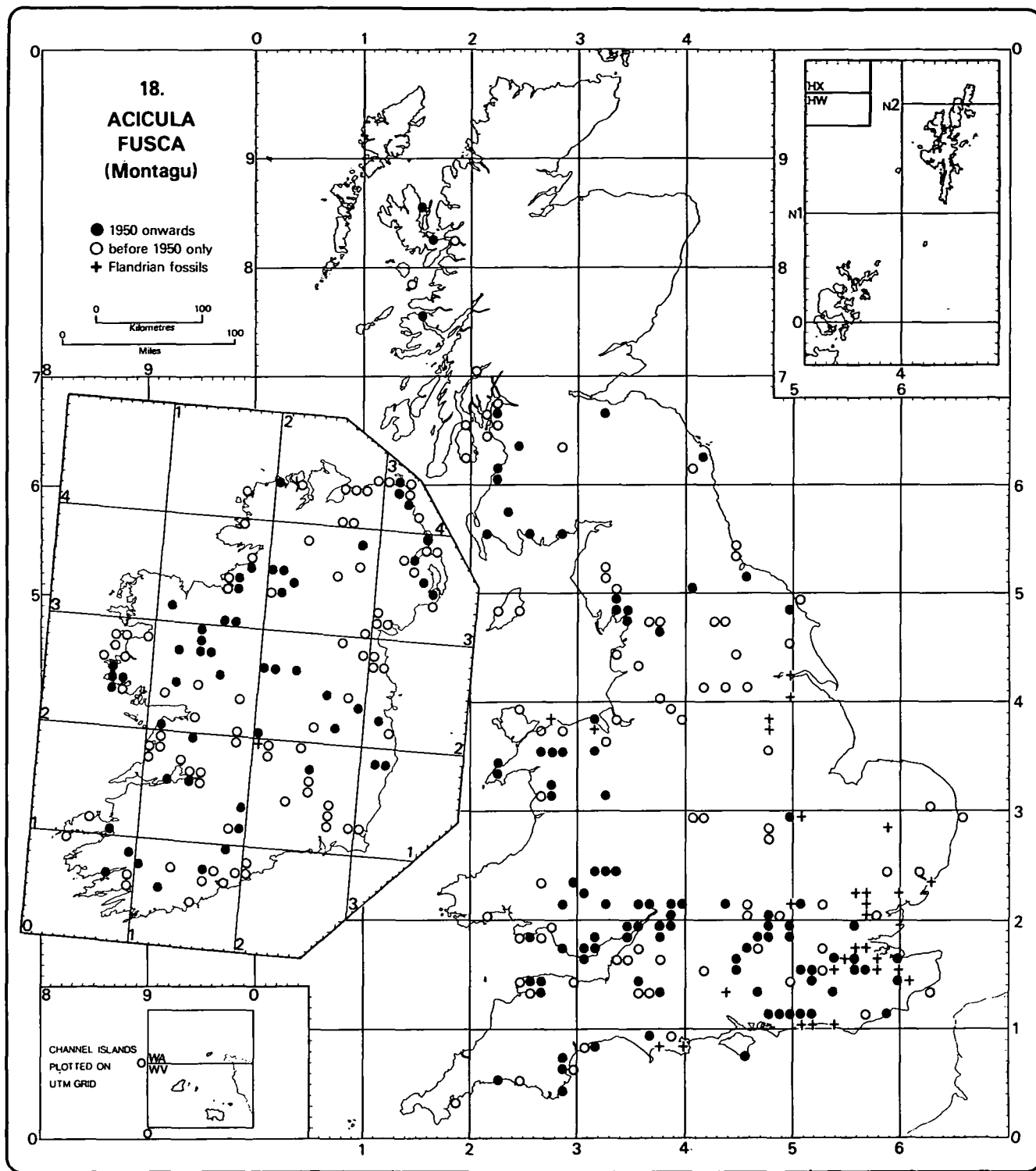
● 1950 onwards
○ before 1950 only

0 100
Kilometres
0 100
Miles



CHANNEL ISLANDS
PLOTTED ON
UTM GRID

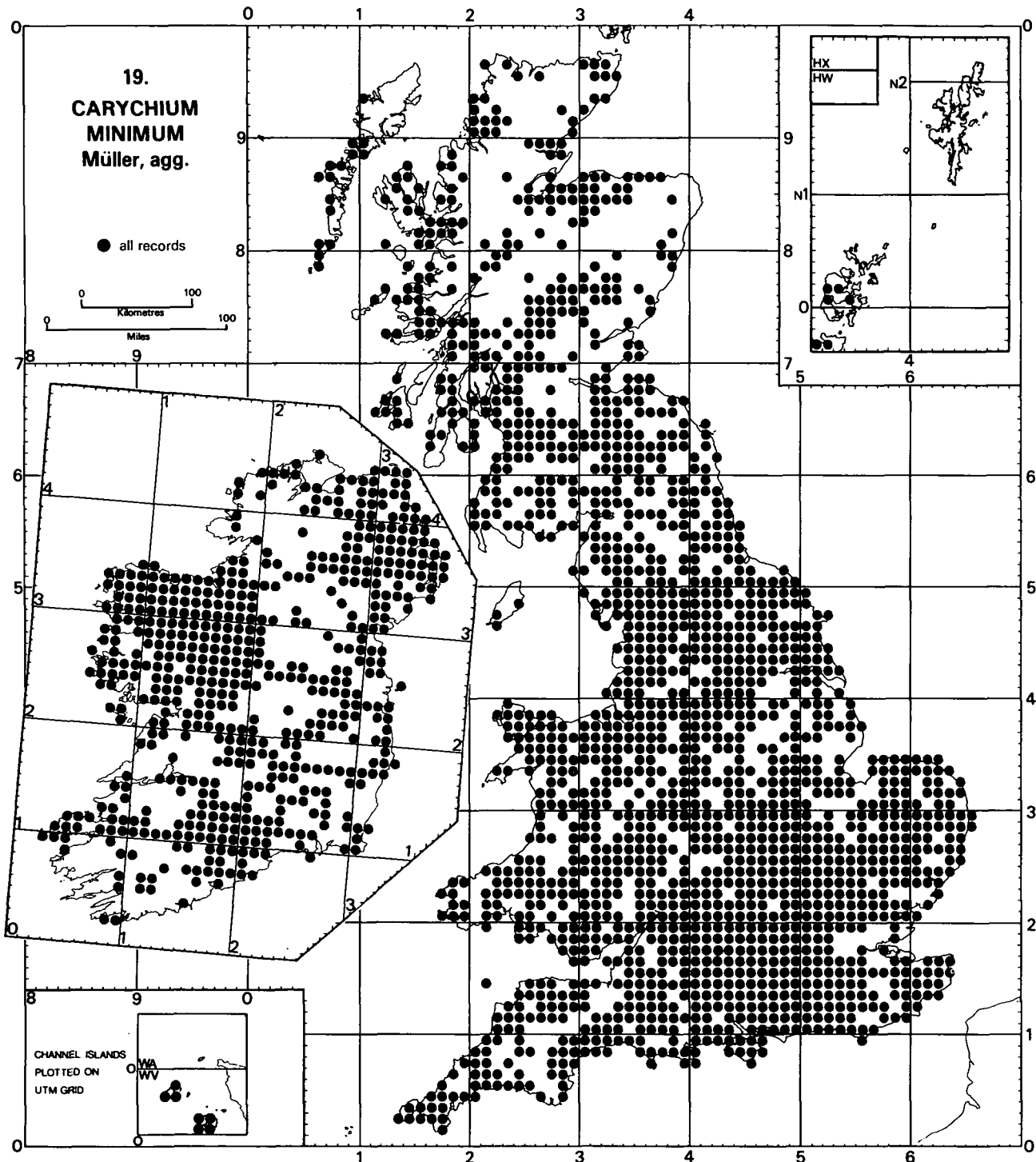




19.
CARYCHIUM
MINIMUM
Müller, agg.

● all records

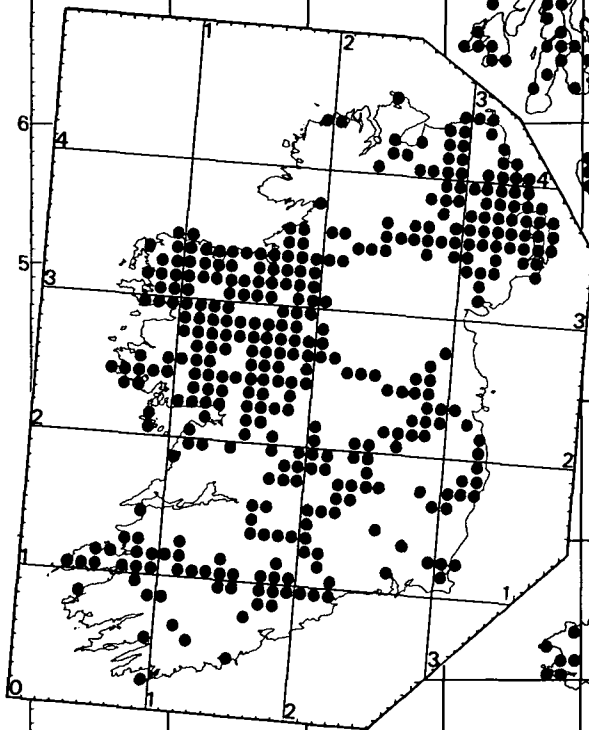
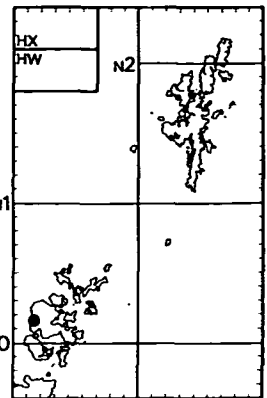
0 100
Kilometres
0 100
Miles



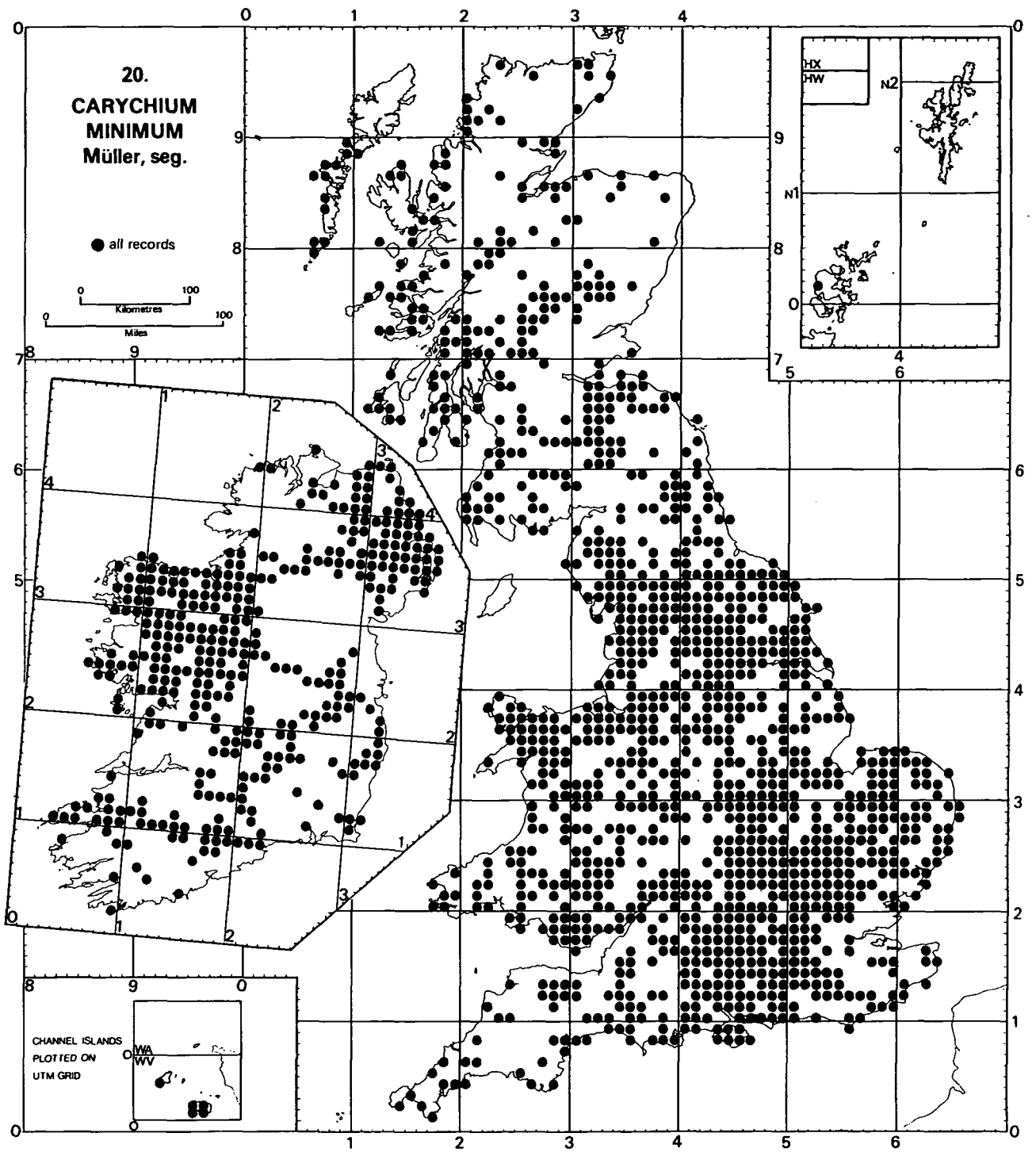
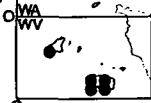
20.
CARYCHIUM
MINIMUM
Müller, seg.

● all records

0 100
Kilometres
0 100
Miles



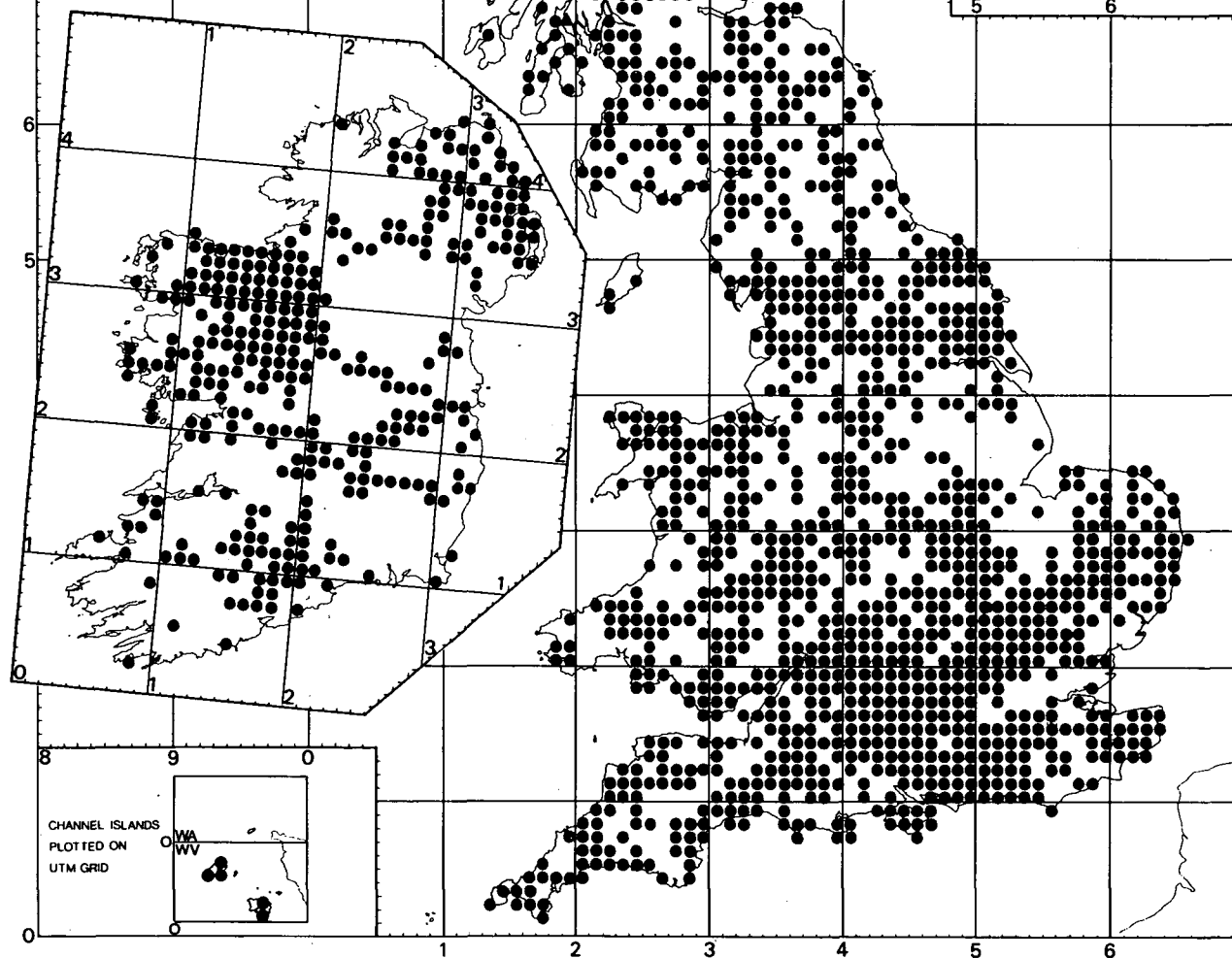
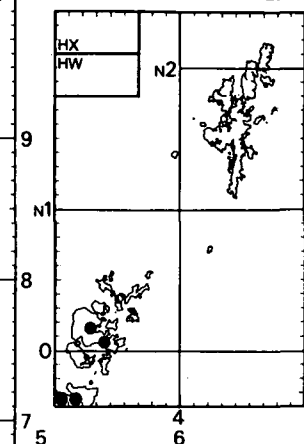
CHANNEL ISLANDS
PLOTTED ON
UTM GRID



21.
CARYCHIUM
TRIDENTATUM
(Risso)

● all records

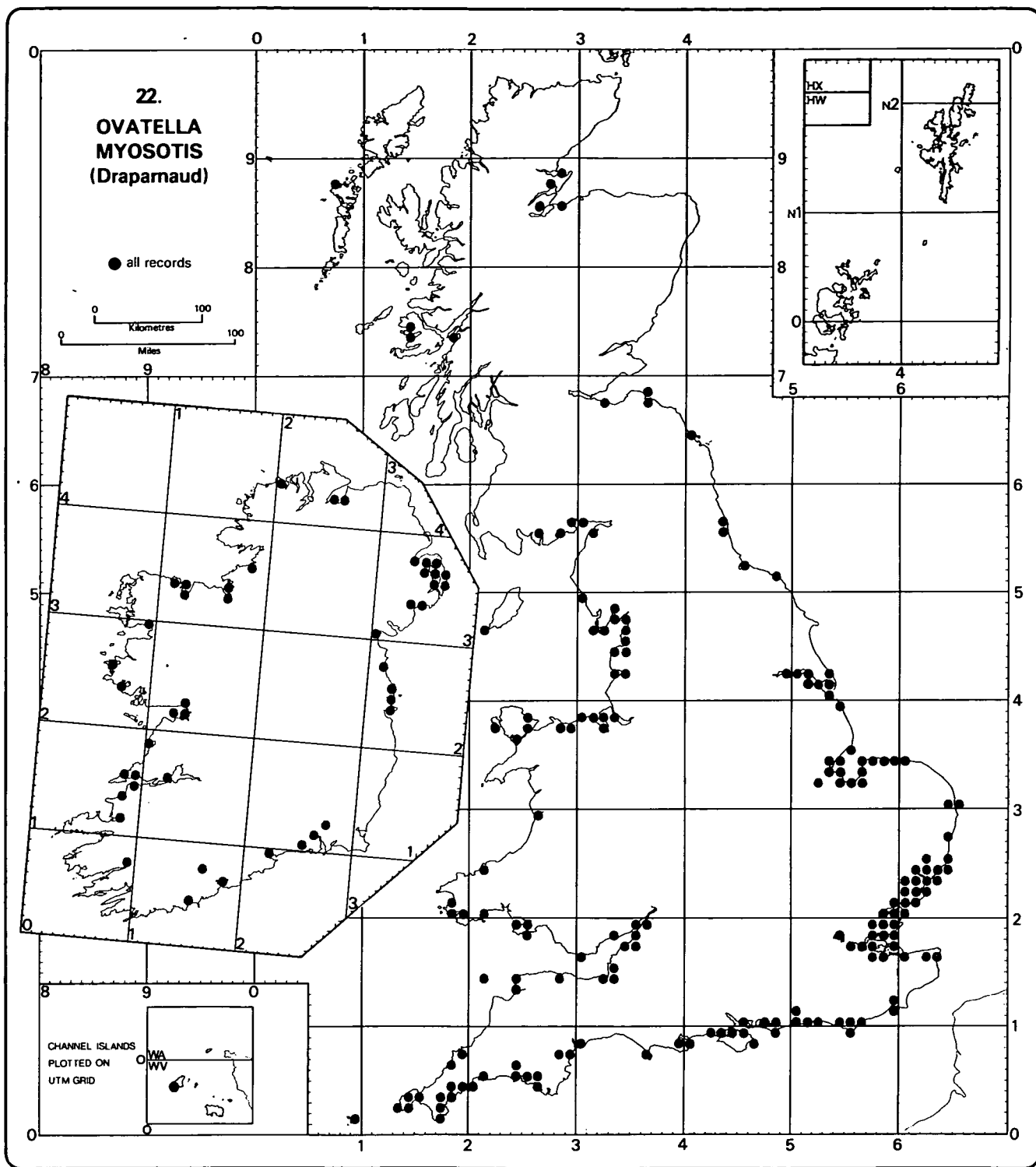
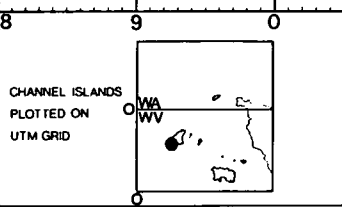
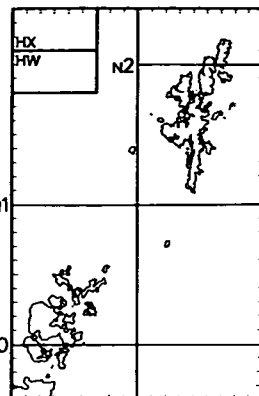
0 100
Kilometres
0 100
Miles



22.
OVATELLA
MYOSOTIS
(Draparnaud)

● all records

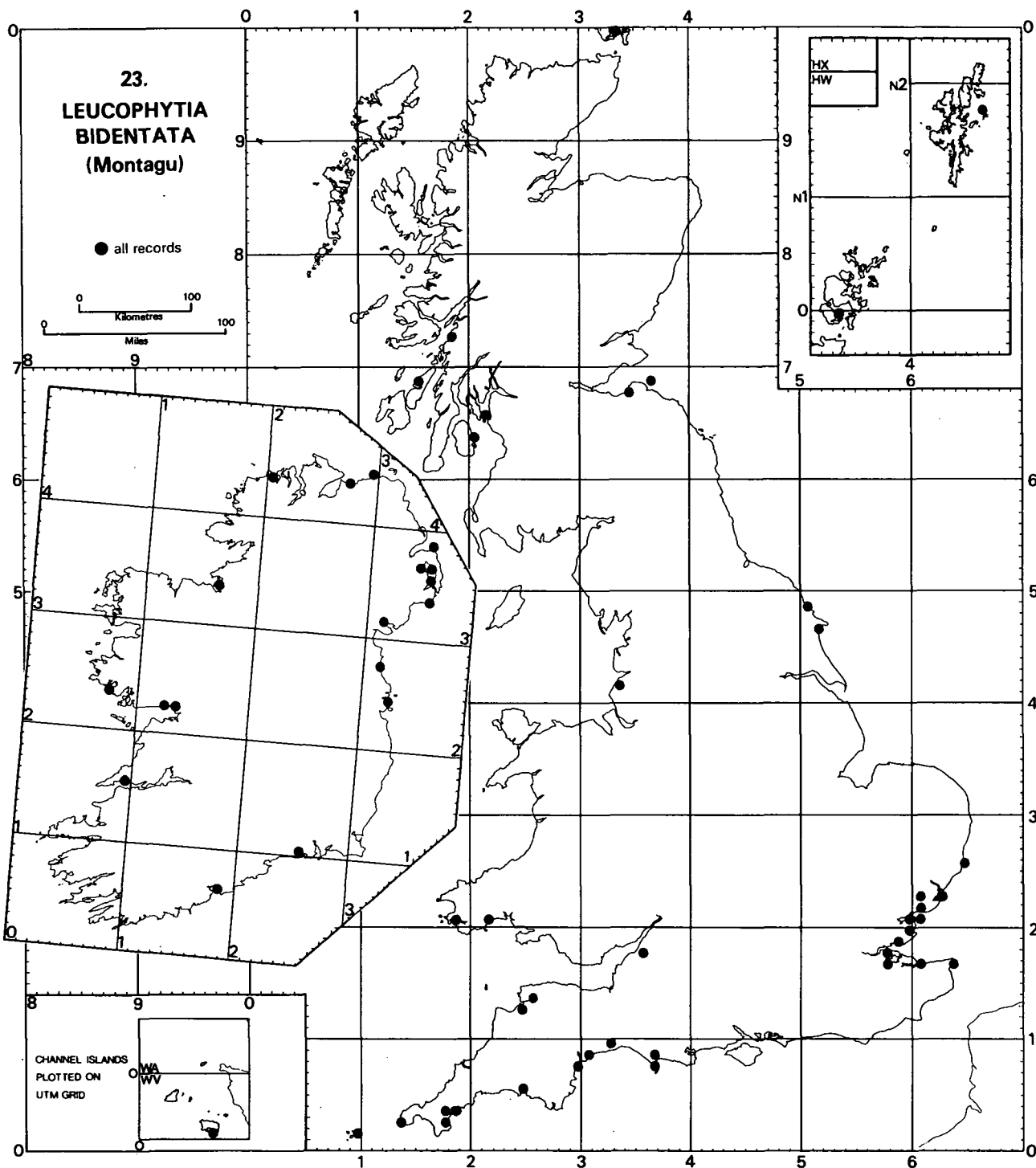
0 100
Kilometres
0 100
Miles



23.
LEUCOPHYTIA
BIDENTATA
(Montagu)

● all records

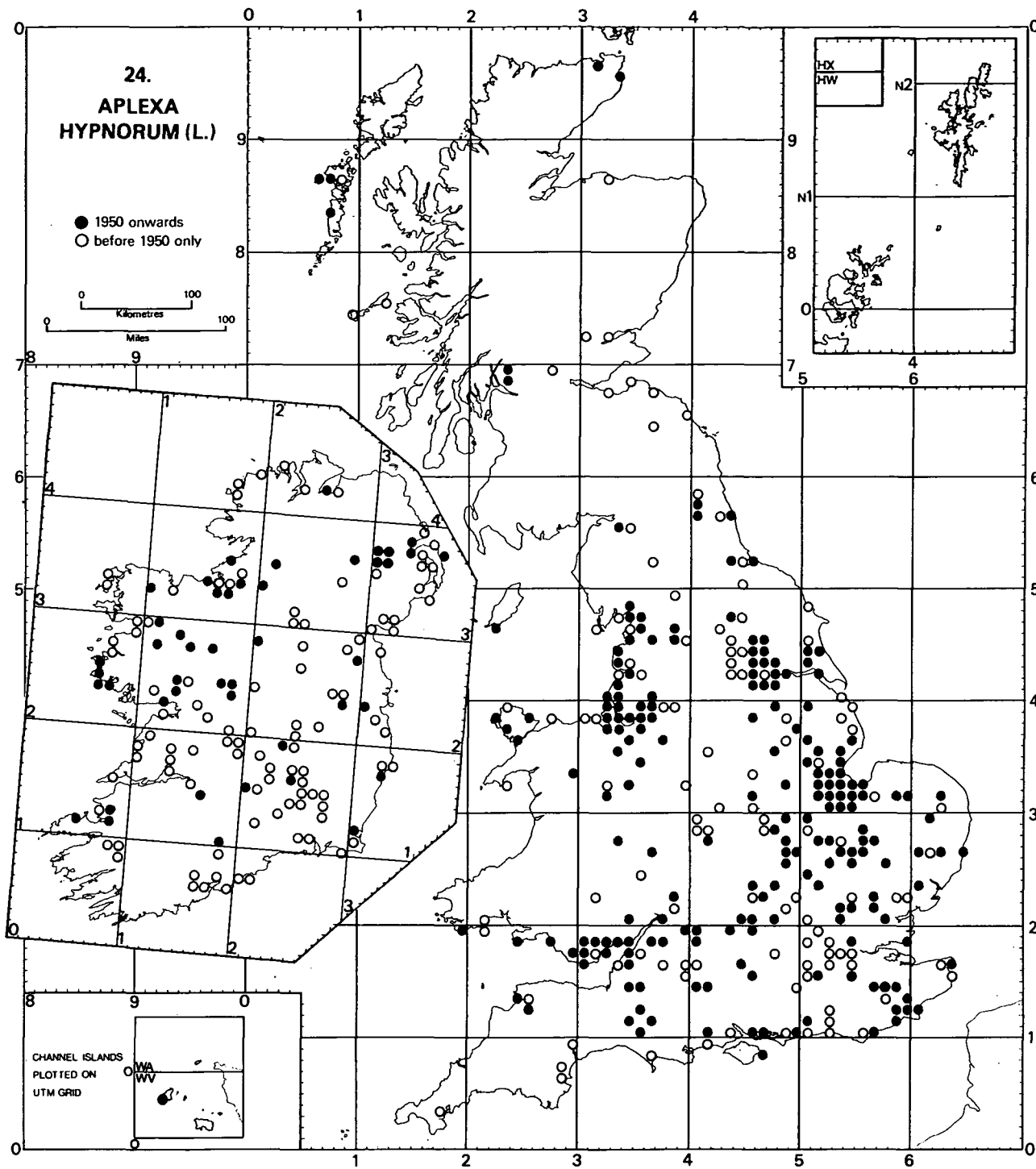
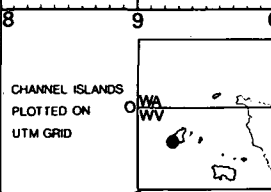
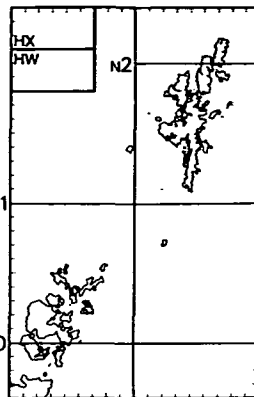
0 100
Kilometres
0 100
Miles



24.
APLEXA
HYPNORUM (L.)

● 1950 onwards
○ before 1950 only

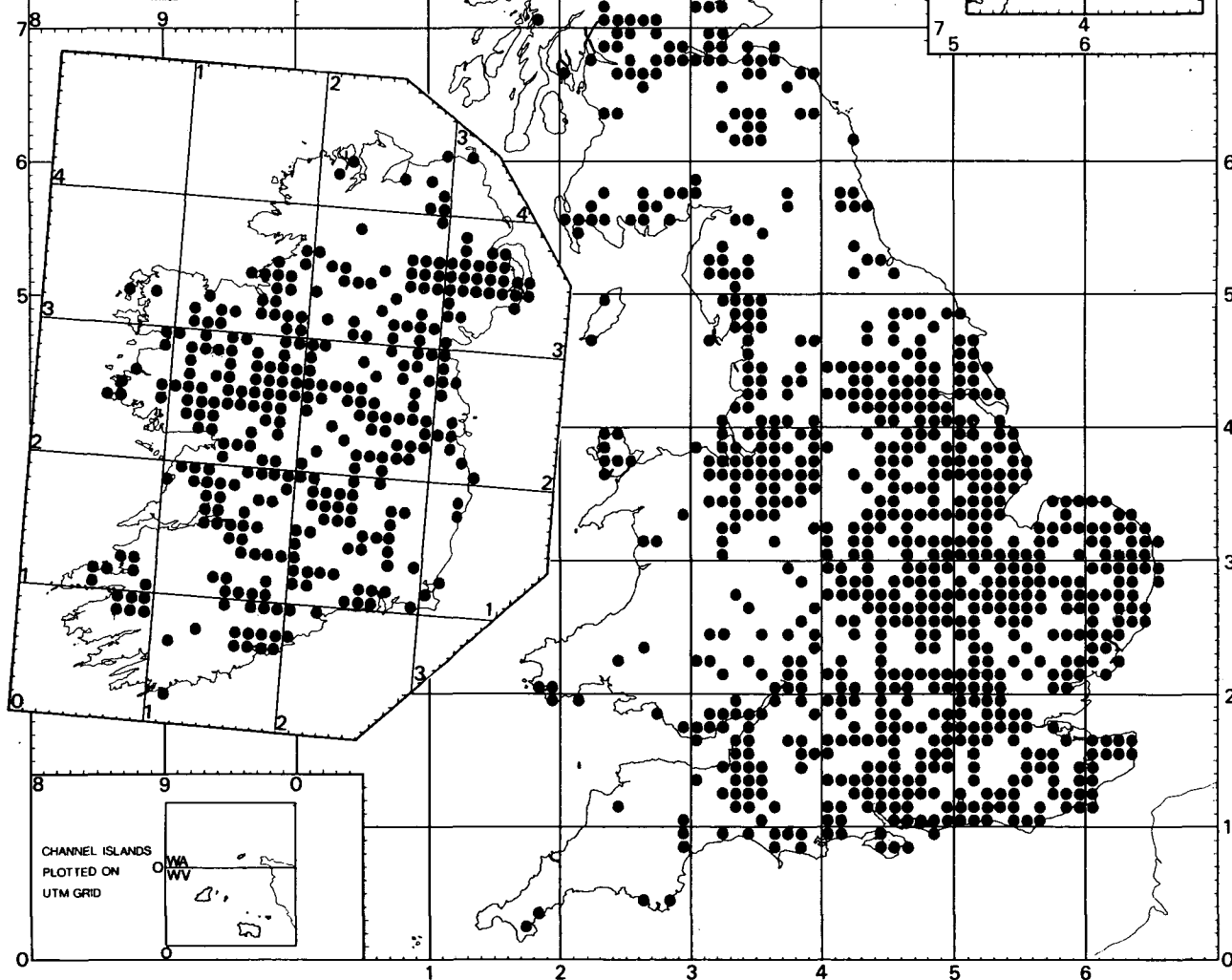
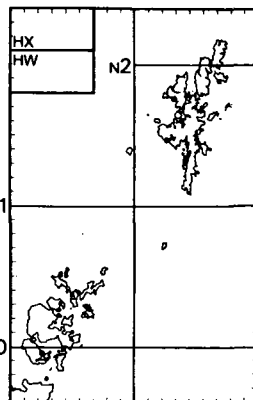
0 100
Kilometres
0 100
Miles



25.
PHYSA
FONTINALIS (L.)

● all records

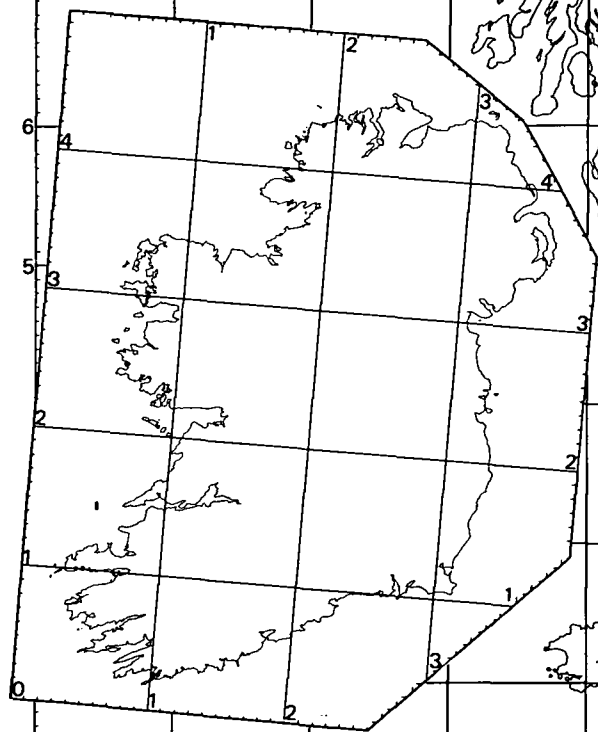
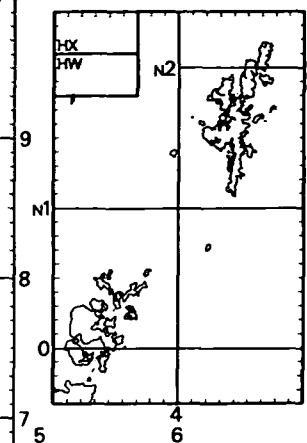
0 100
Kilometres
0 100
Miles



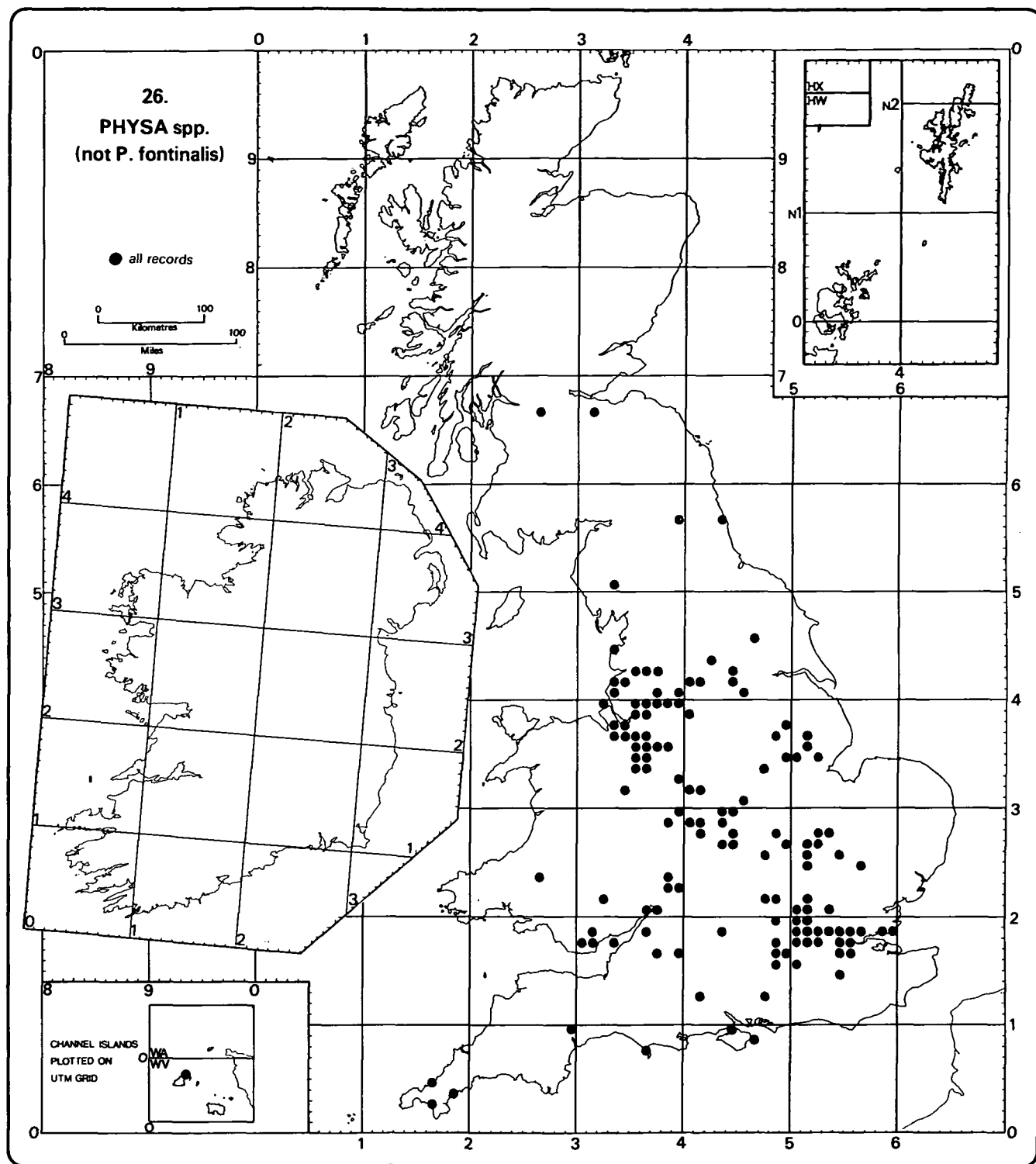
26.
PHYSA spp.
 (not *P. fontinalis*)

● all records

0 100
 Kilometres
 0 100
 Miles

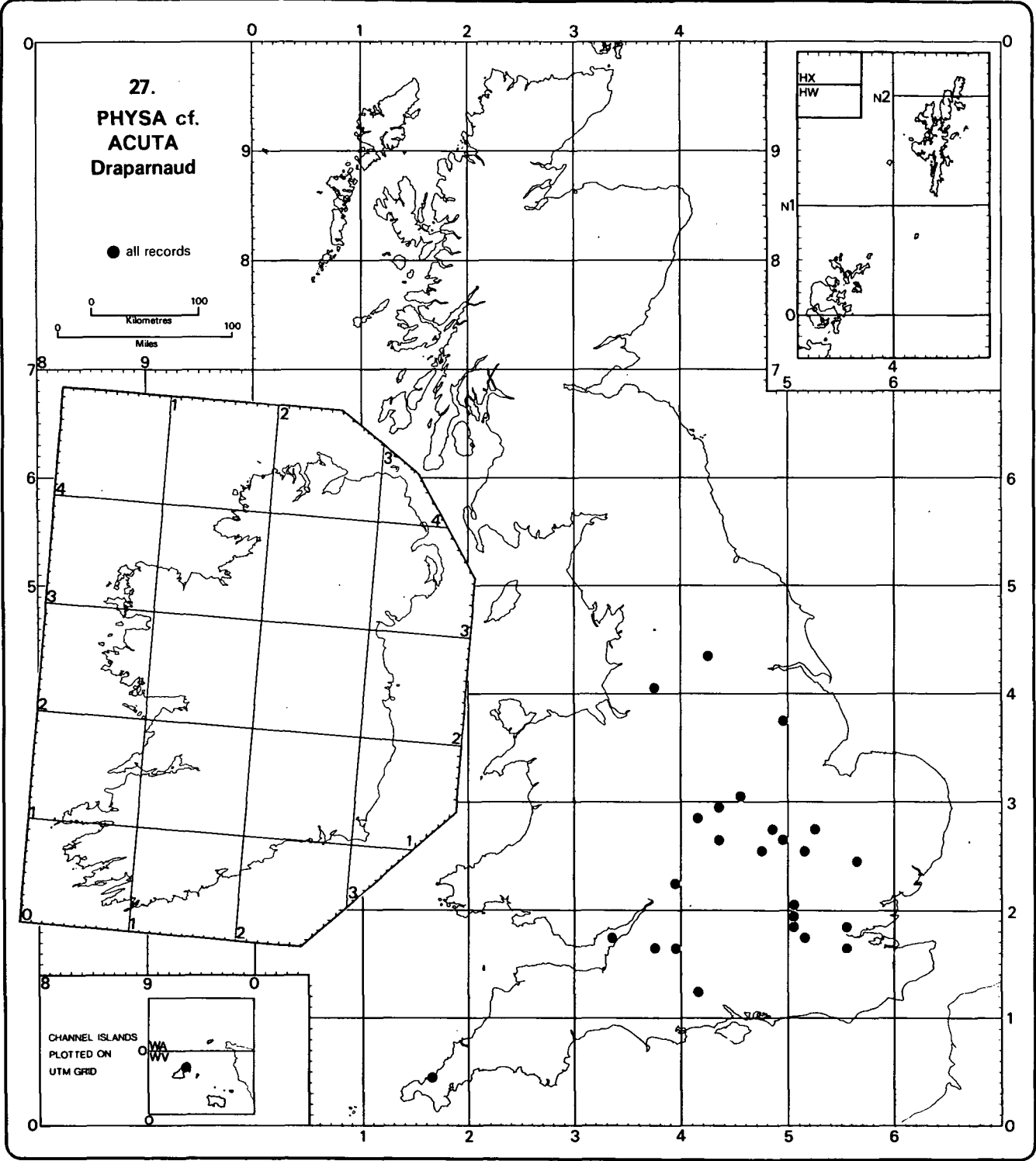
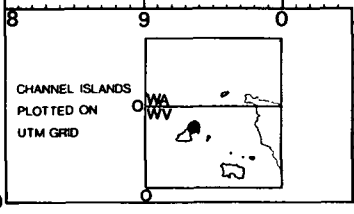
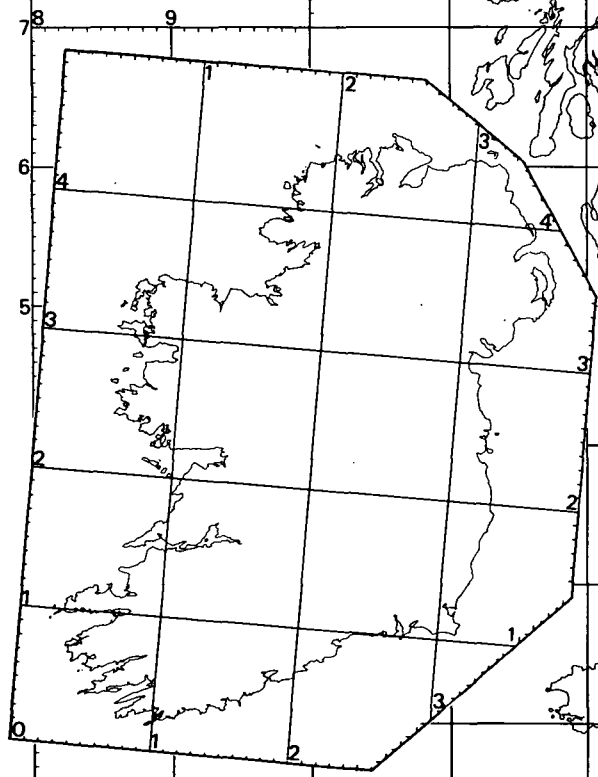
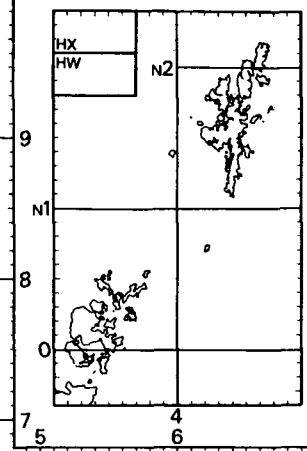


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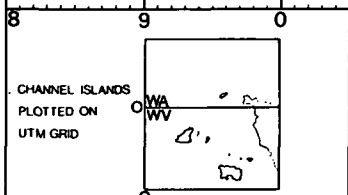
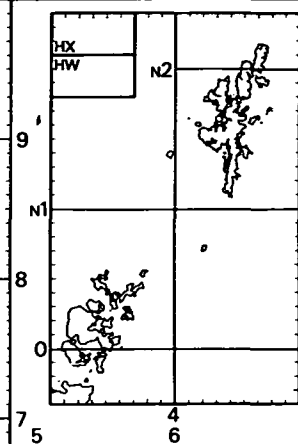
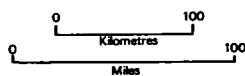
27.
**PHYSA cf.
 ACUTA**
Draparnaud

● all records



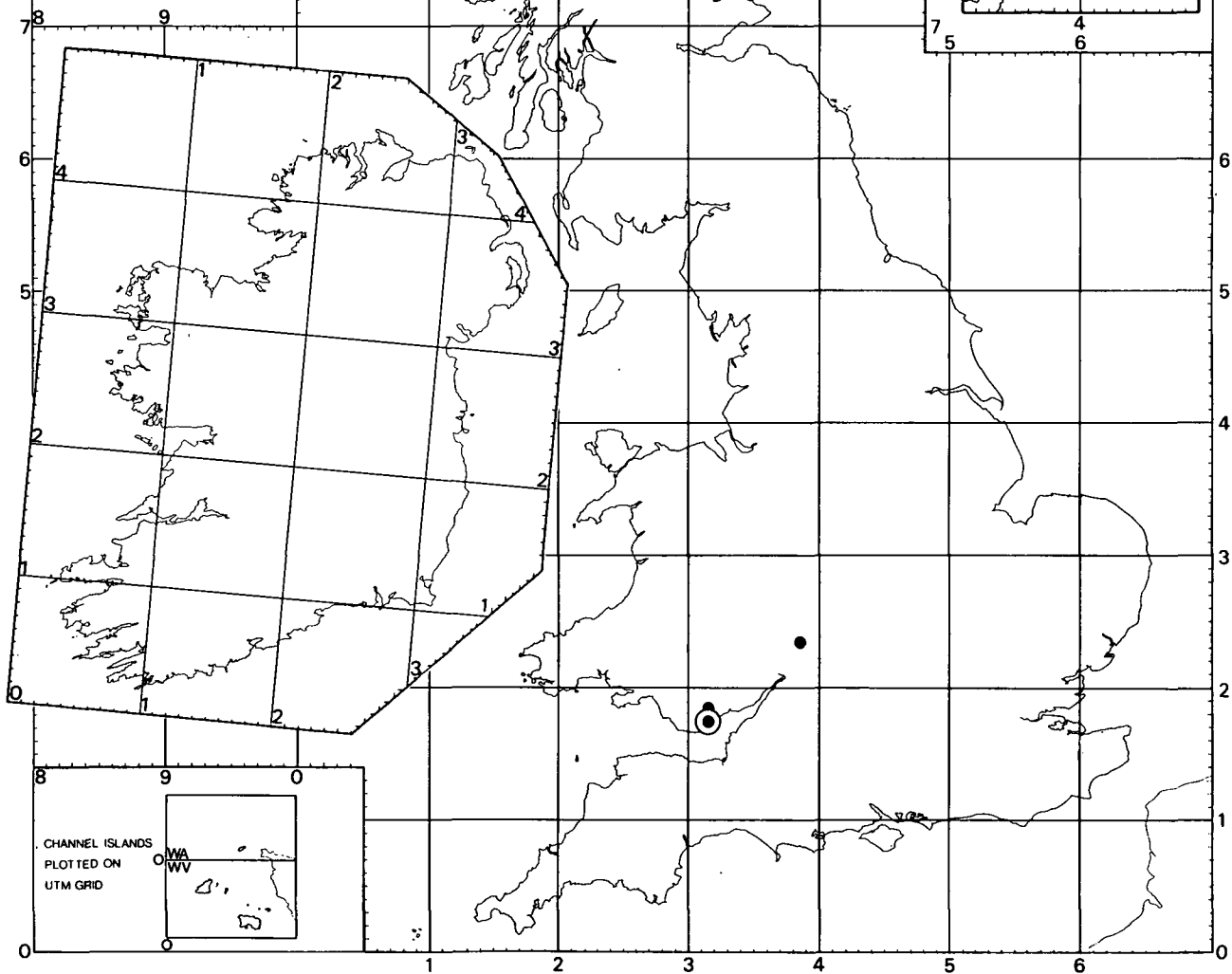
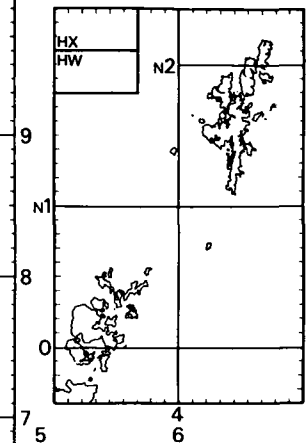
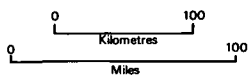
28.
PHYSA cf.
HETEROSTROPHA
Say

- all records



29.
PHYSA
GYRINA
Say

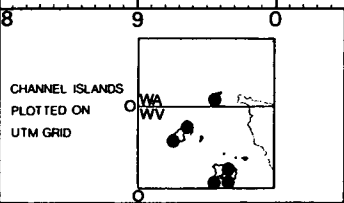
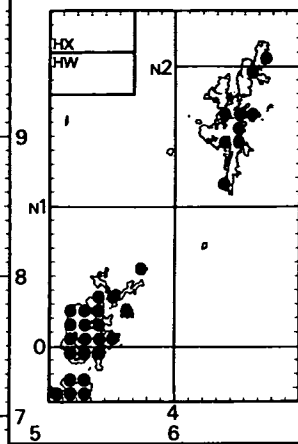
- 1950 onwards
- ⊙ first record, 1918



30.
LYMNAEA
TRUNCATULA
(Müller)

● all records

0 100
Kilometres
0 100
Miles

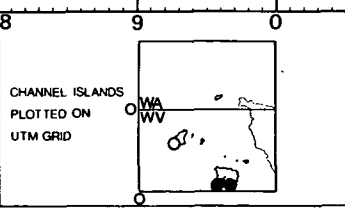
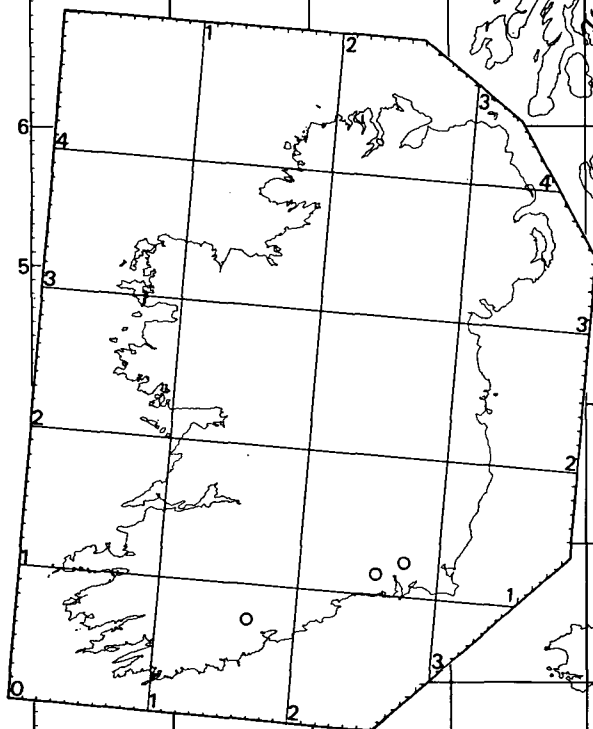
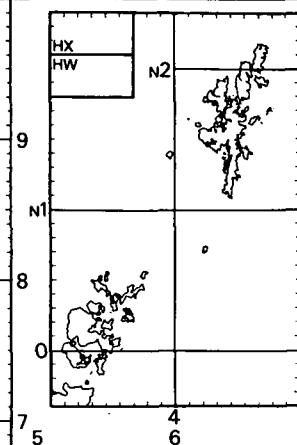


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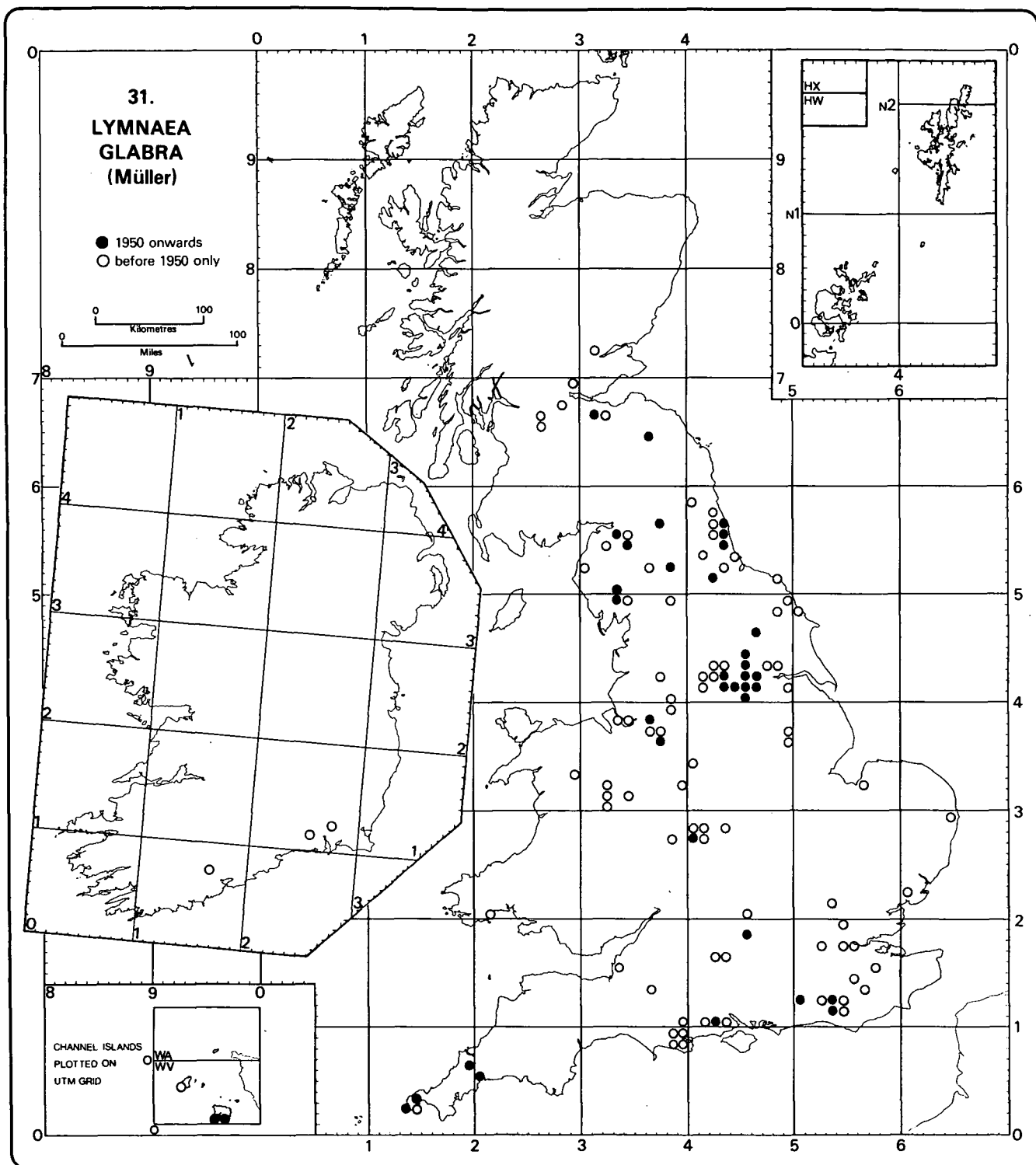
31.
LYMNAEA
GLABRA
(Müller)

● 1950 onwards
○ before 1950 only

0 100
Kilometres
0 100
Miles



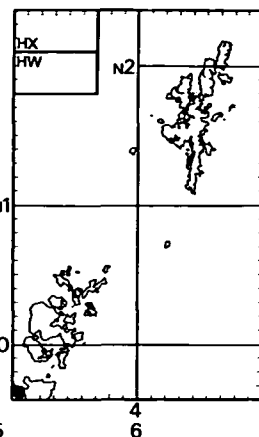
CHANNEL ISLANDS
PLOTED ON
UTM GRID



32.
LYMNAEA
PALUSTRIS
 (Müller)

● all records

0 100
 Kilometres
 0 100
 Miles



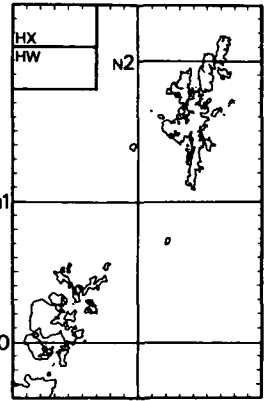
CHANNEL ISLANDS
 PLOTTED ON
 UTM GRID



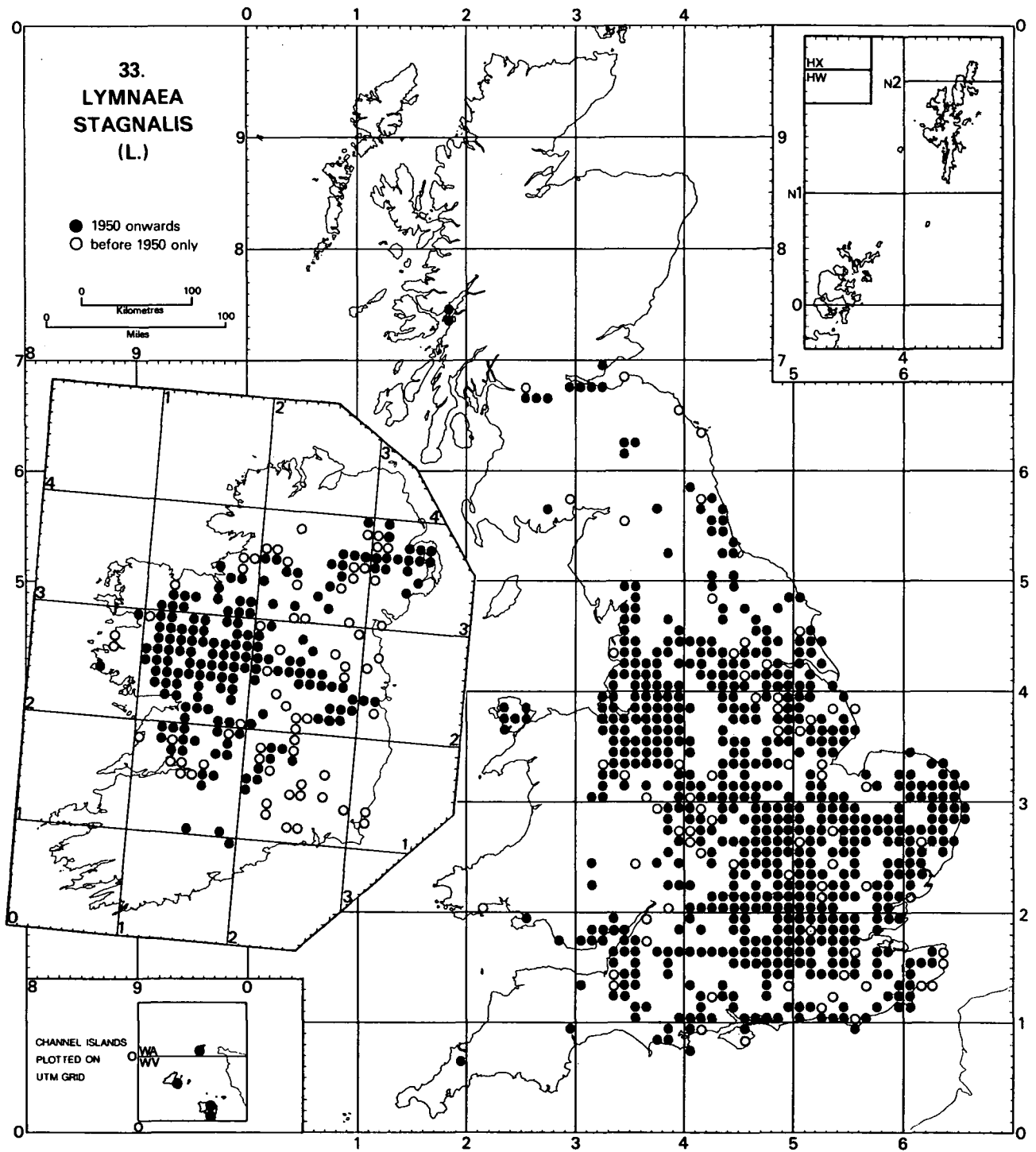
33.
LYMNAEA
STAGNALIS
(L.)

● 1950 onwards
○ before 1950 only

0 100
Kilometres
0 100
Miles



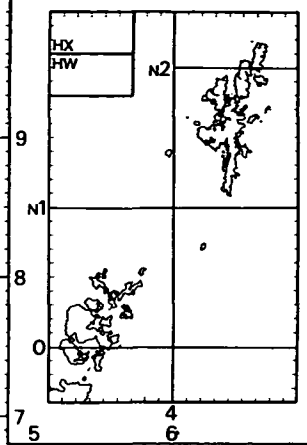
CHANNEL ISLANDS
PLOTTED ON
UTM GRID



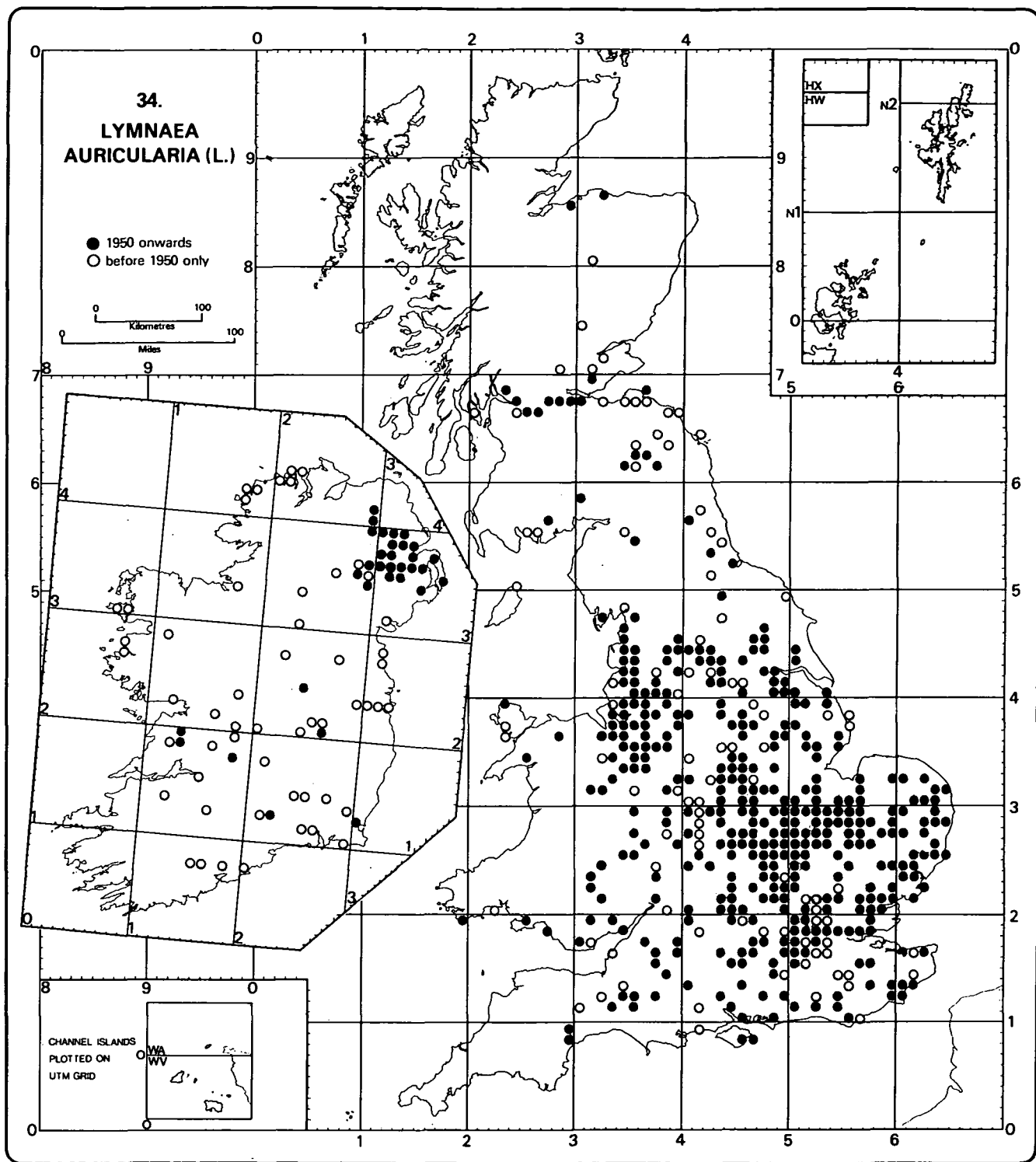
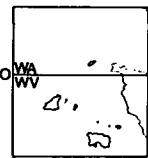
34.
LYMNAEA
AURICULARIA (L.)

● 1950 onwards
○ before 1950 only

0 100
Kilometres
0 100
Miles



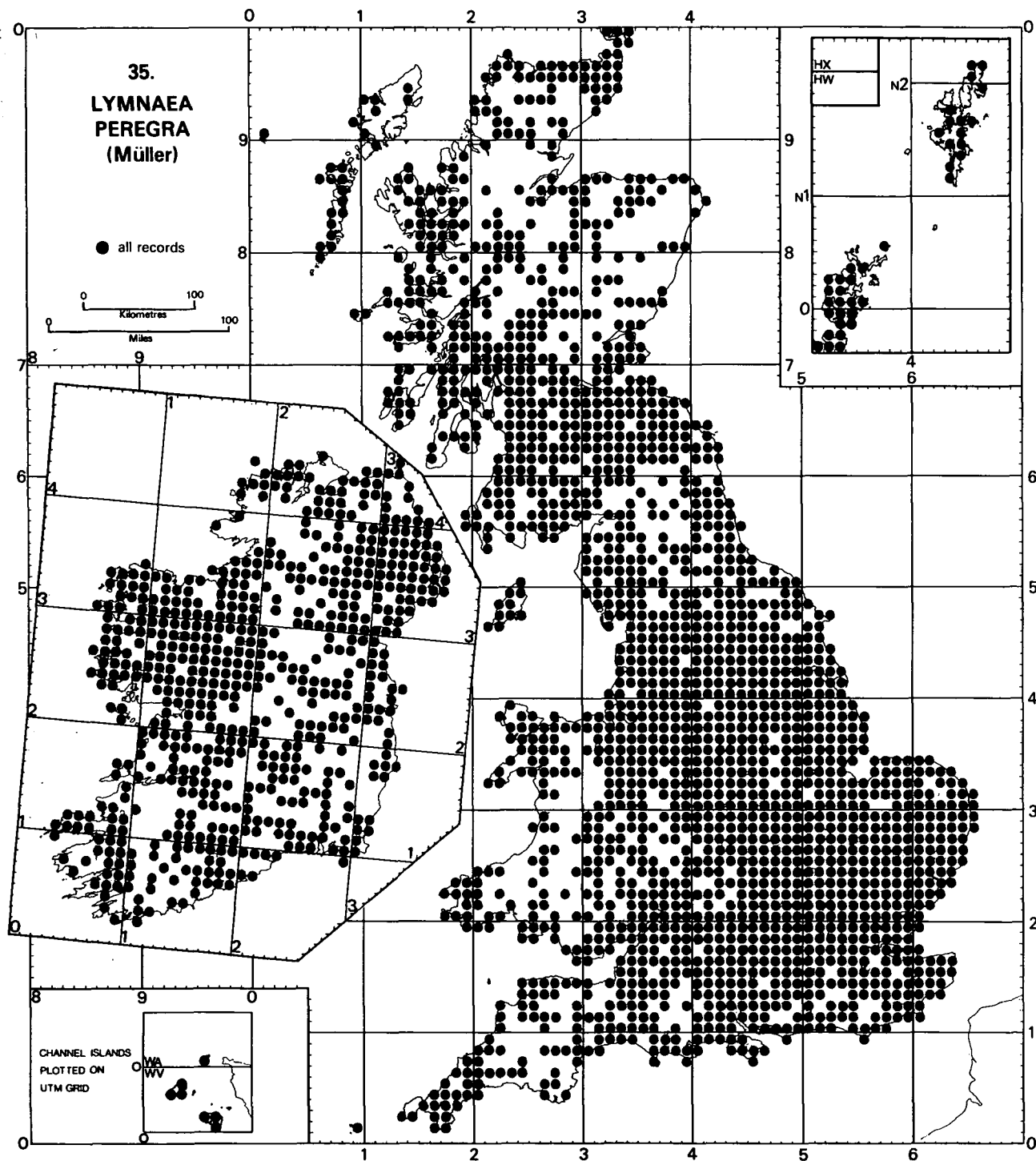
CHANNEL ISLANDS
PLOTTED ON
UTM GRID



35.
LYMNAEA
PEREGRA
(Müller)

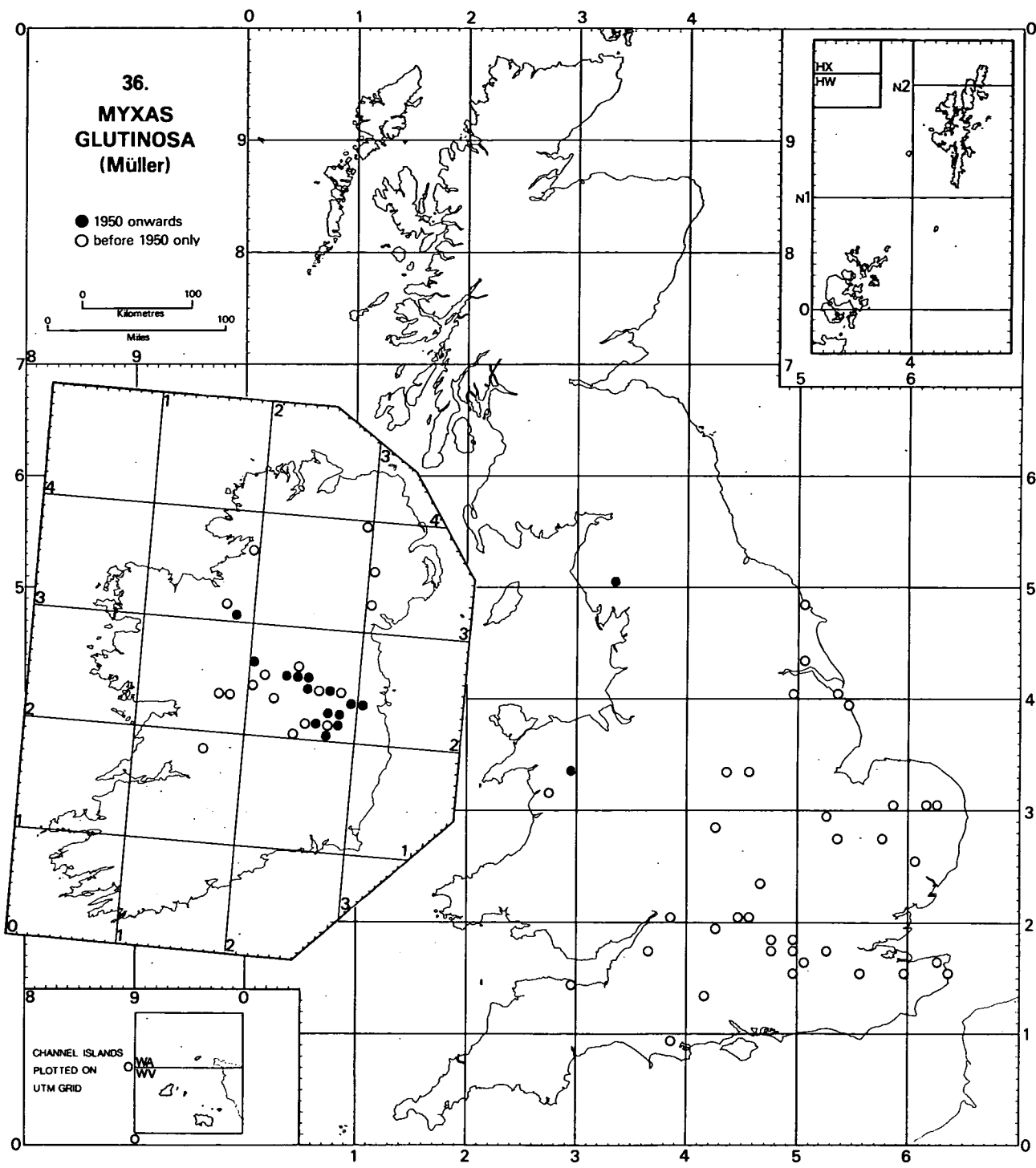
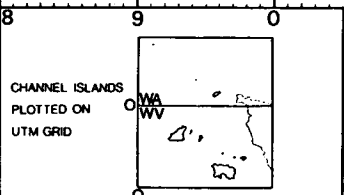
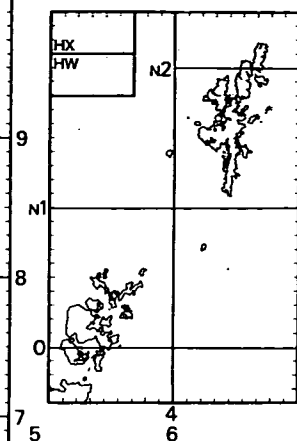
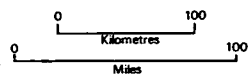
● all records

0 100
Kilometres
0 100
Miles



36.
MYXAS
GLUTINOSA
(Müller)

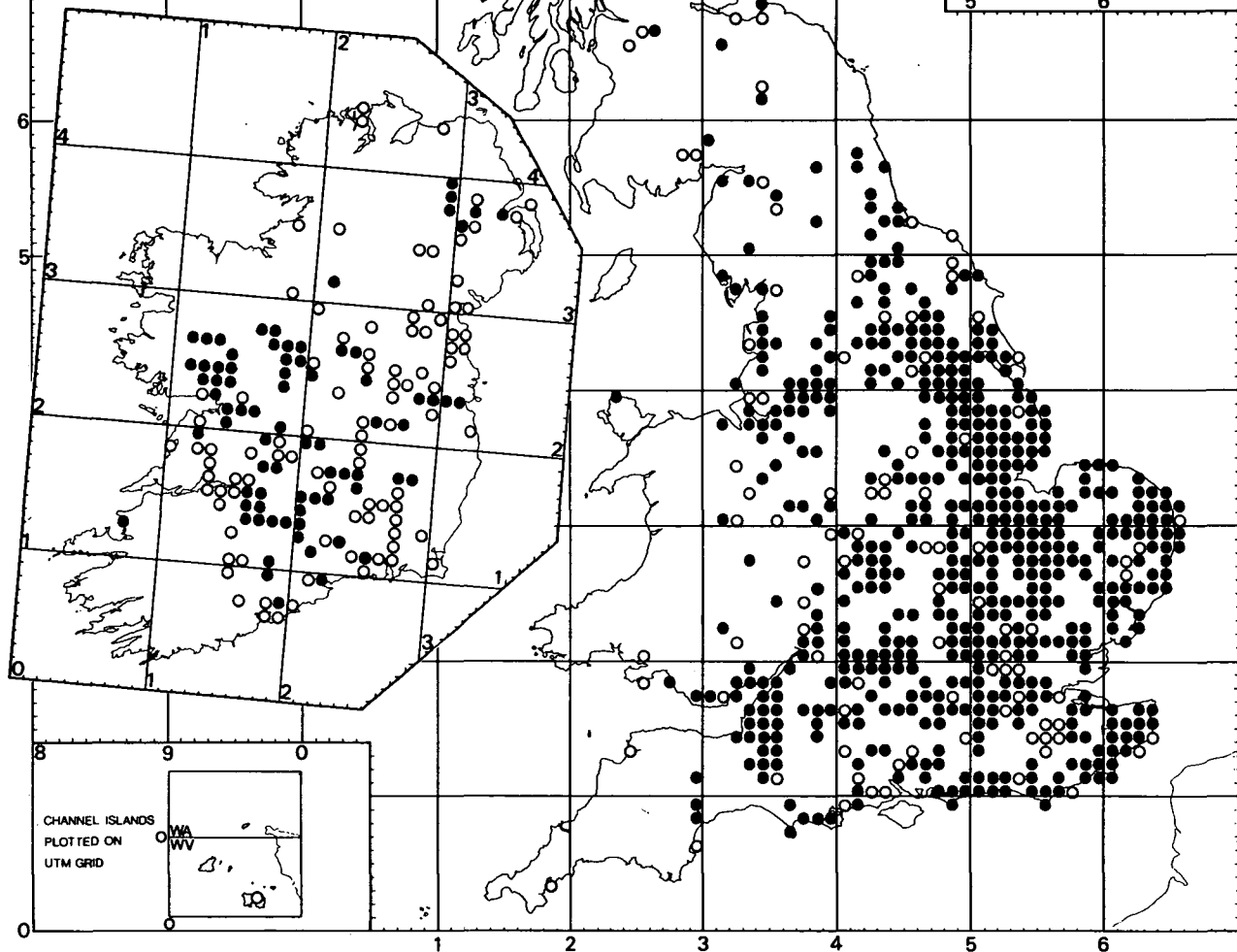
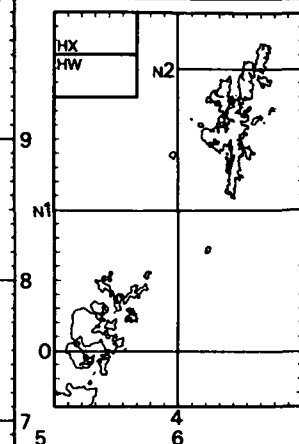
- 1950 onwards
- before 1950 only



37.
PLANORBIS
PLANORBIS (L.)

● 1950 onwards
○ before 1950 only

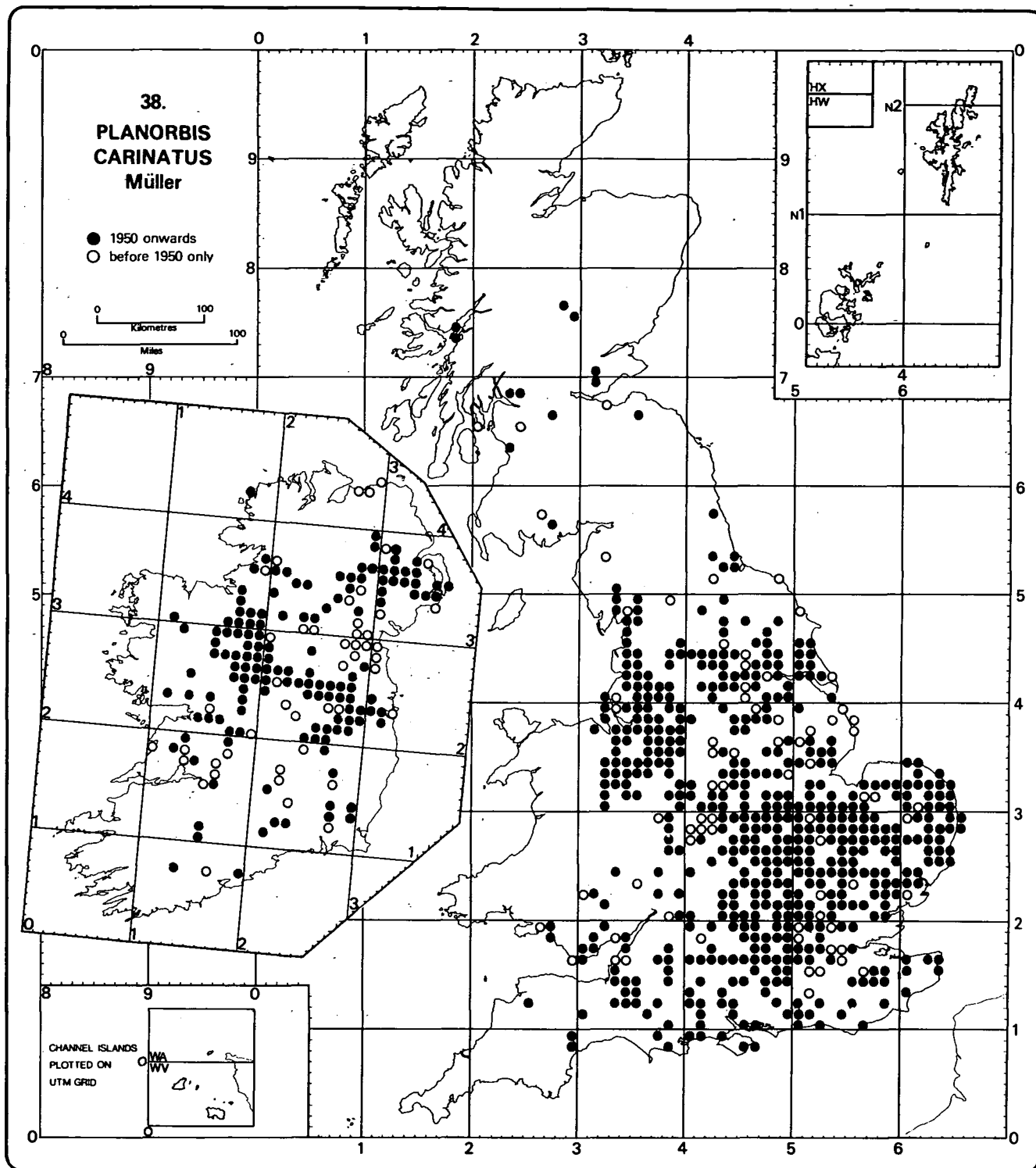
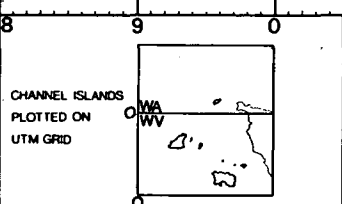
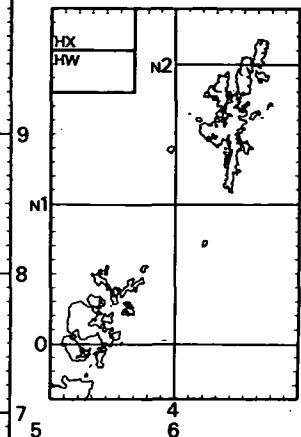
0 100
Kilometres
0 100
Miles

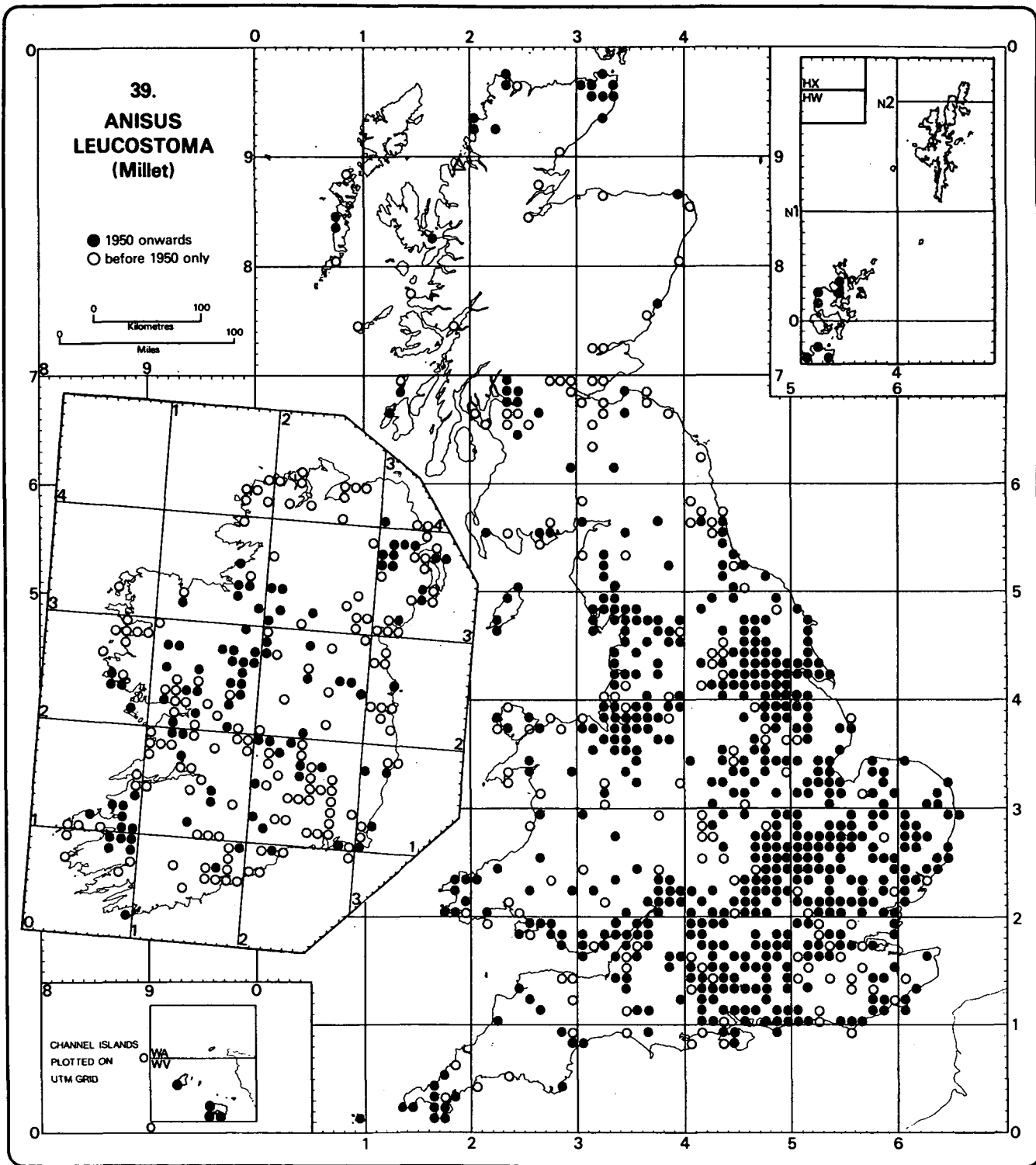


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38.
**PLANORBIS
CARINATUS**
Müller

- 1950 onwards
- before 1950 only

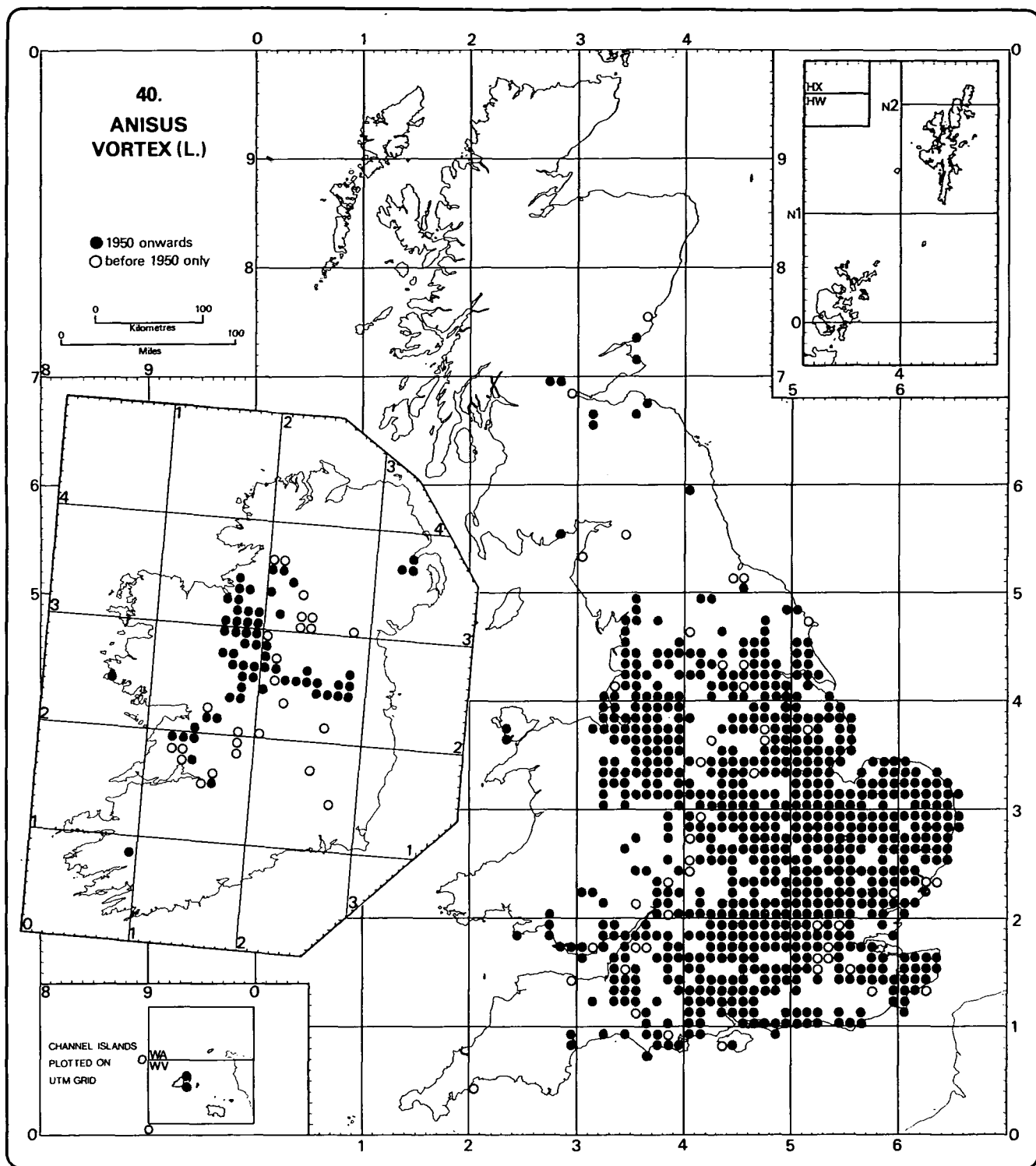
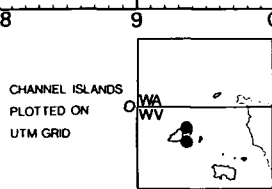
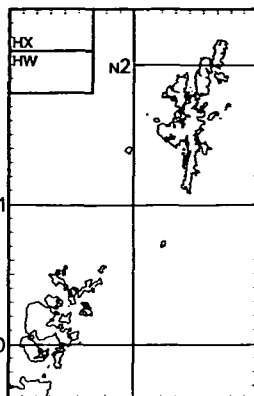




40.
ANISUS
VORTEX (L.)

● 1950 onwards
○ before 1950 only

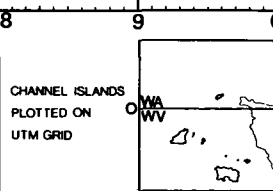
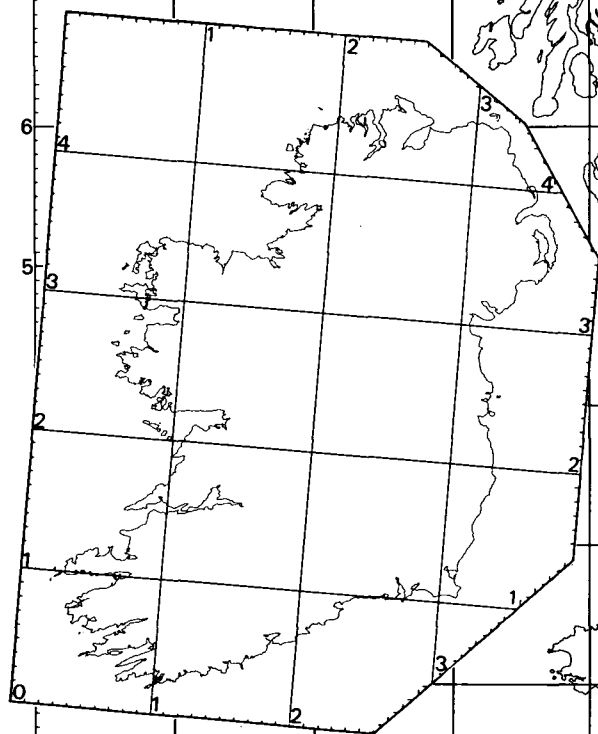
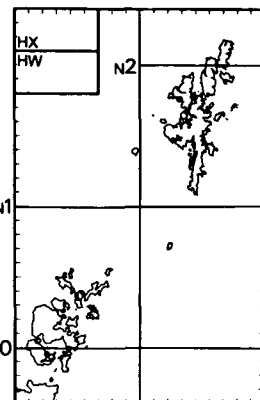
0 100
Kilometres
0 100
Miles



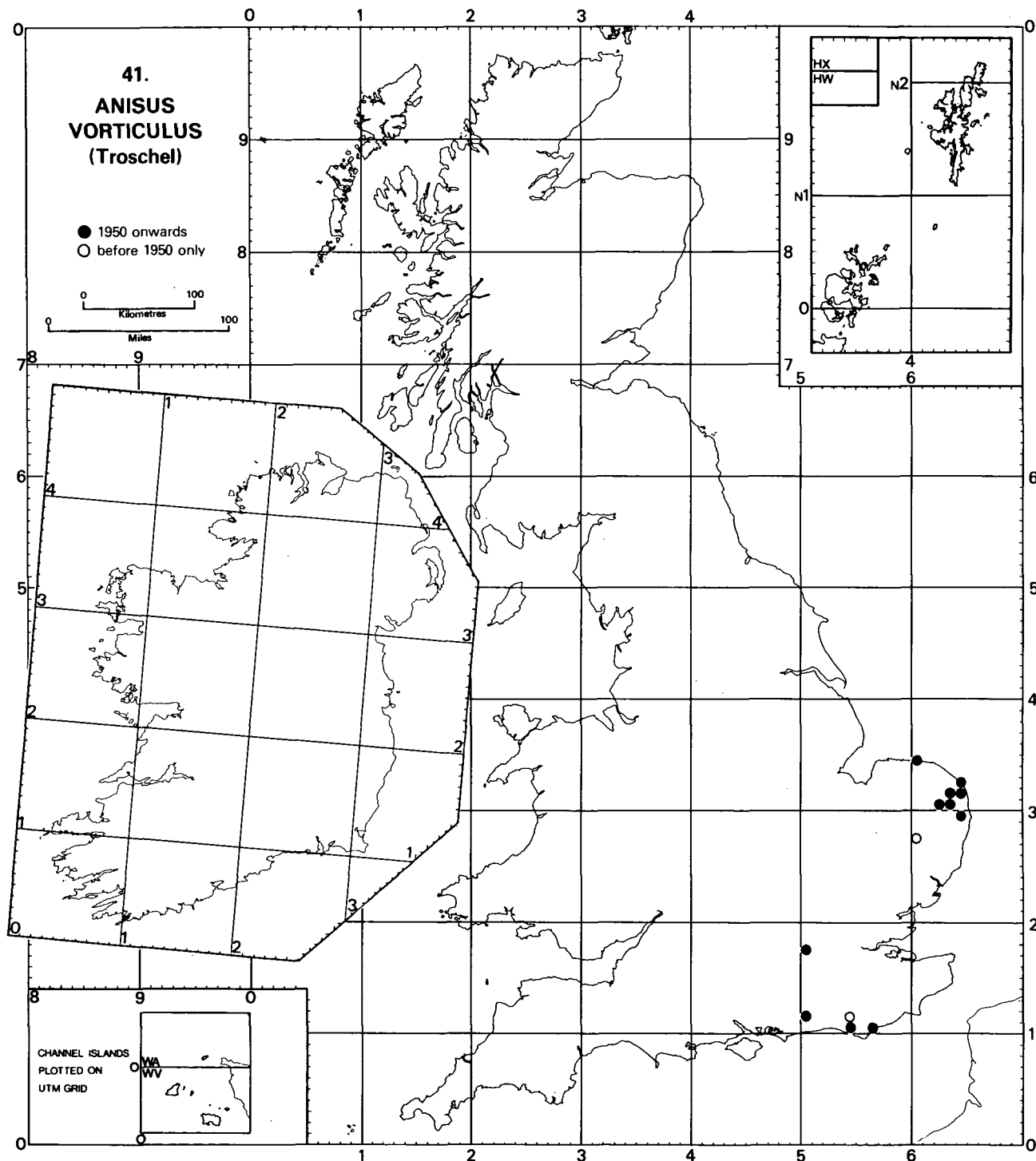
41.
ANISUS
VORTICULUS
(Troschel)

● 1950 onwards
○ before 1950 only

0 100
Kilometres
0 100
Miles



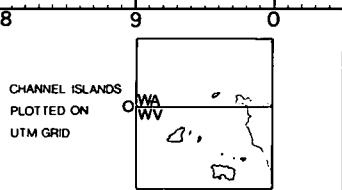
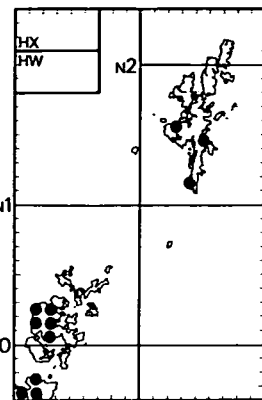
CHANNEL ISLANDS
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UTM GRID



42.
BATHYOMPHALUS
CONTORTUS (L.)

● all records

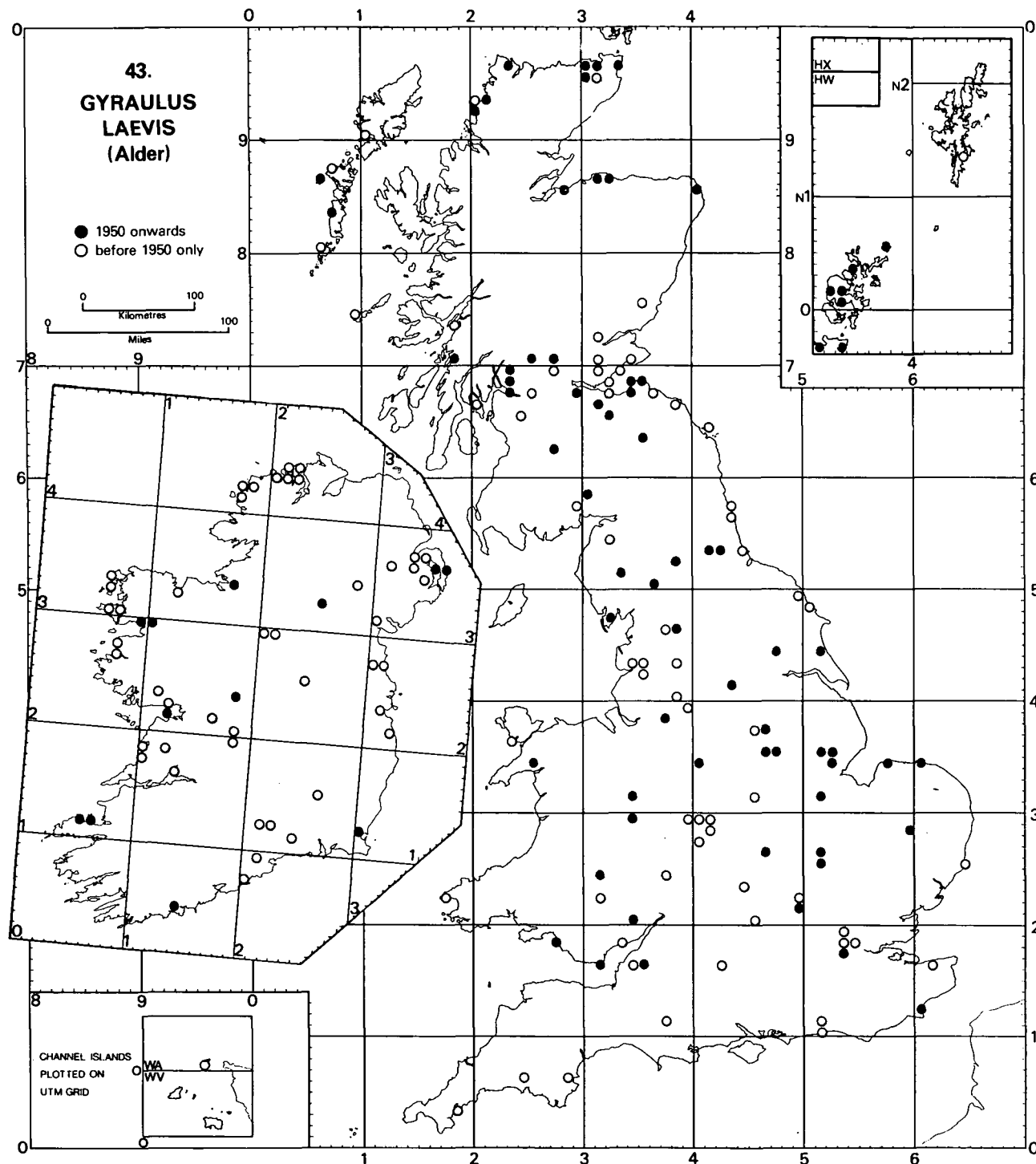
0 100
Kilometres
0 100
Miles



43.
GYRAULUS
LAEVIS
(Alder)

● 1950 onwards
○ before 1950 only

0 100
Kilometres
0 100
Miles

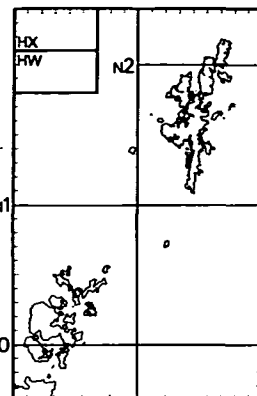


CHANNEL ISLANDS
PLOTTED ON
UTM GRID

44.
GYRAULUS
ACRONICUS
(Férussac)

● 1950 onwards
○ before 1950 only

0 100
Kilometres
0 100
Miles



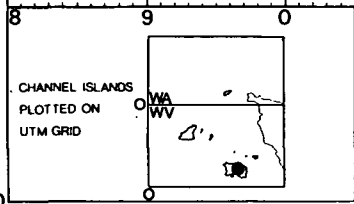
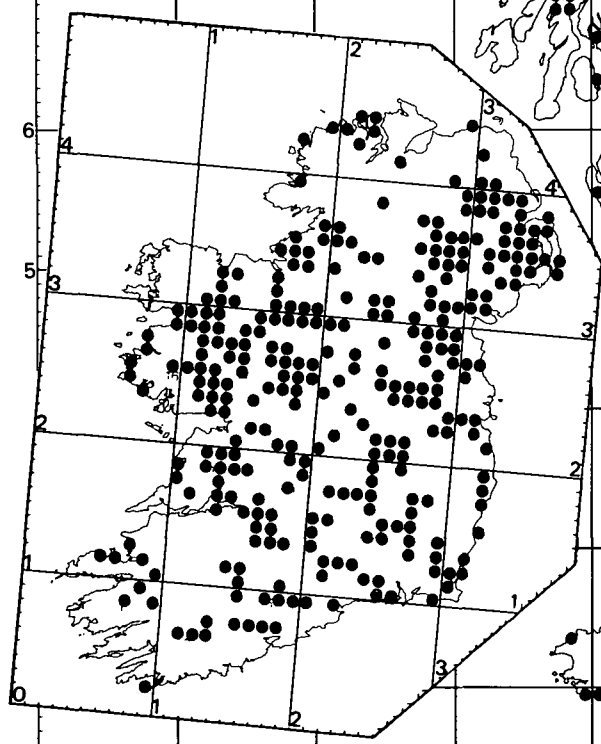
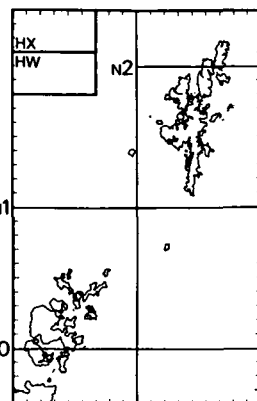
CHANNEL ISLANDS
PLOTTED ON
UTM GRID



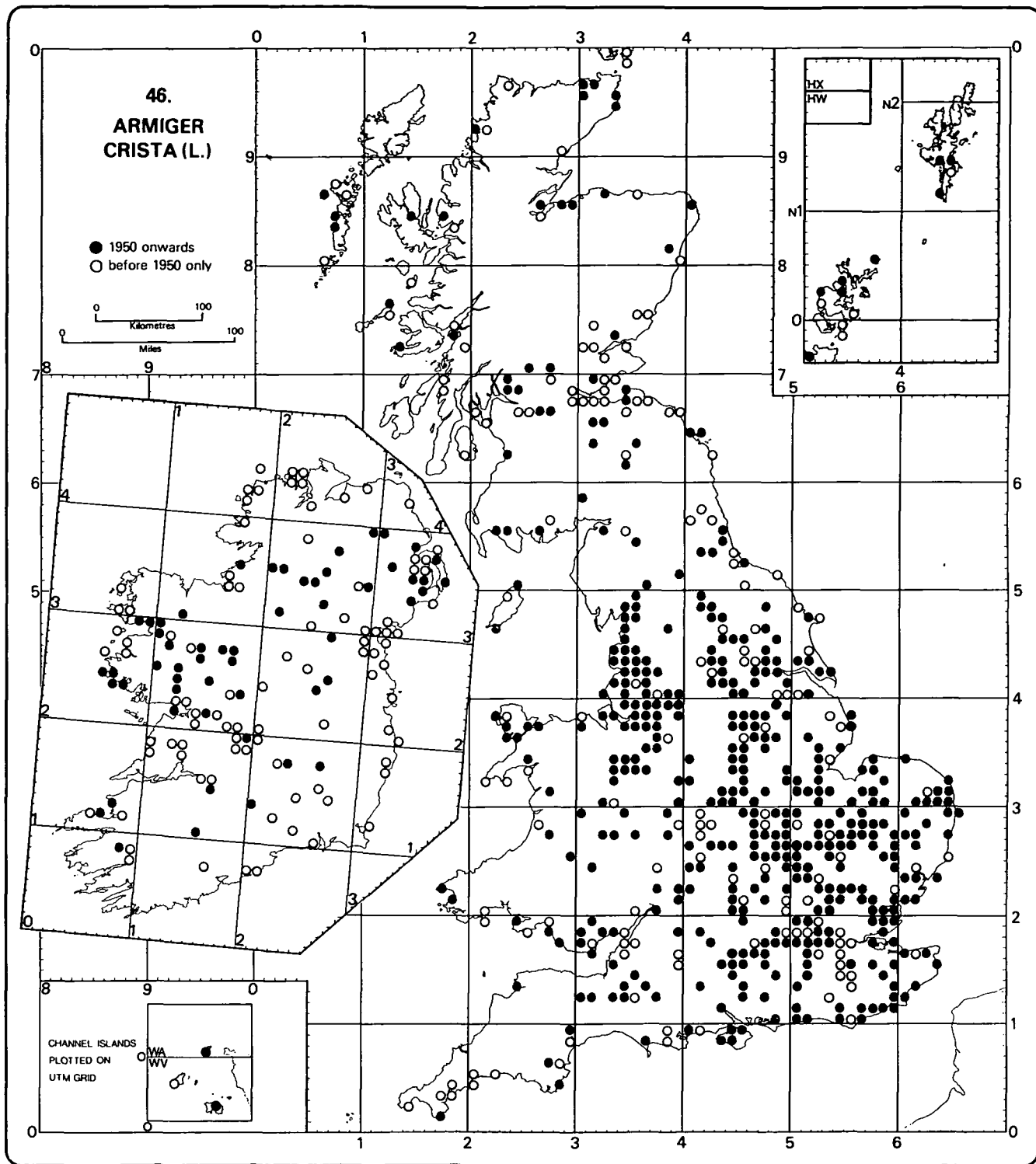
45.
GYRAULUS
ALBUS
(Müller)

● all records

0 100
Kilometres
0 100
Miles



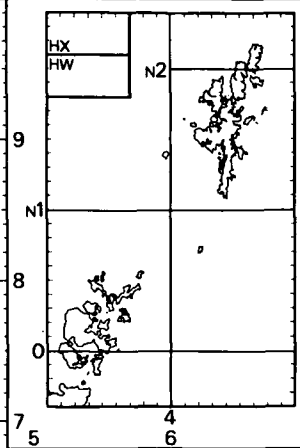
CHANNEL ISLANDS
PLOTTED ON
UTM GRID



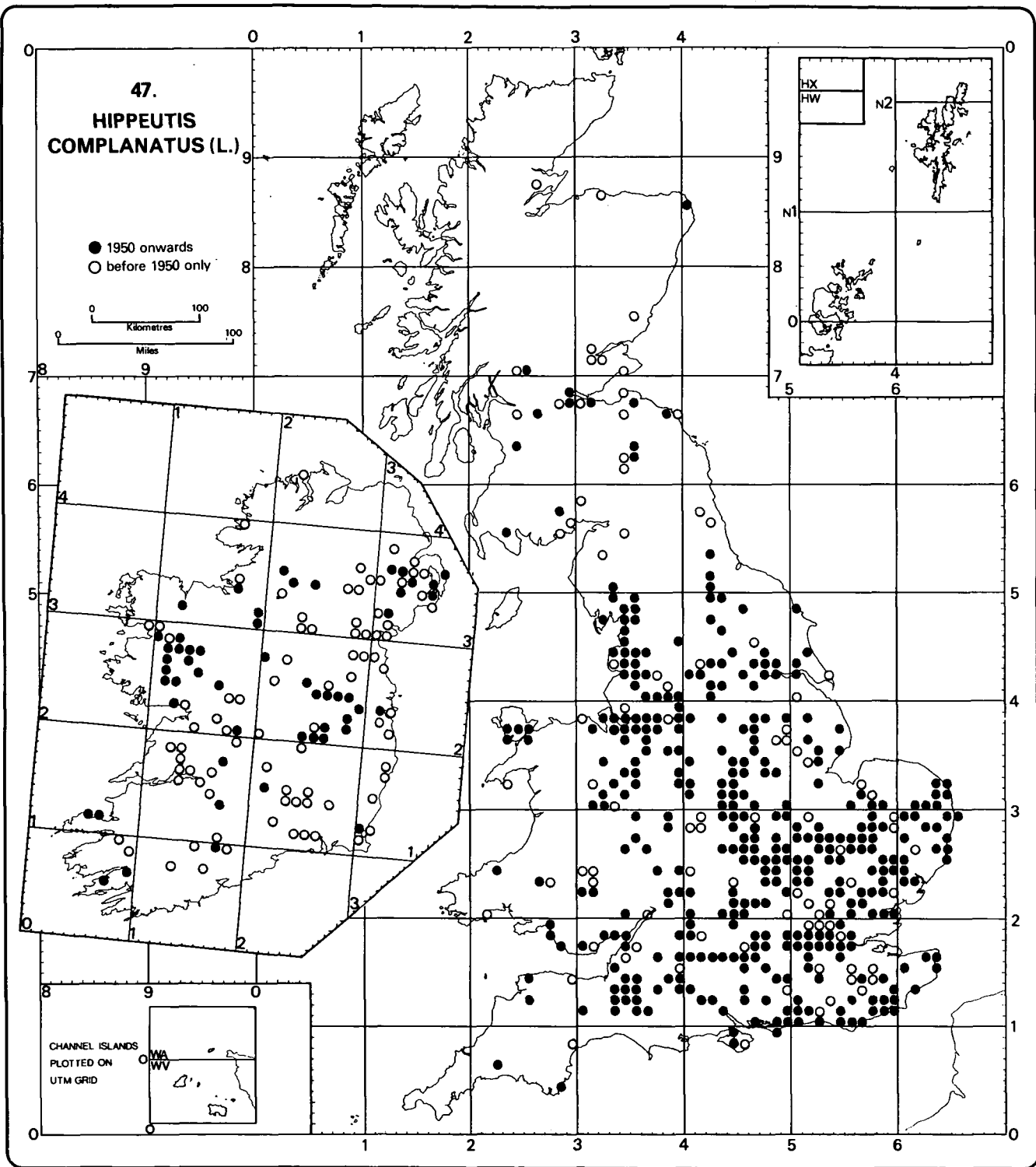
47.
HIPPEUTIS
COMPLANATUS (L.)

● 1950 onwards
○ before 1950 only

0 100
Kilometres
0 100
Miles



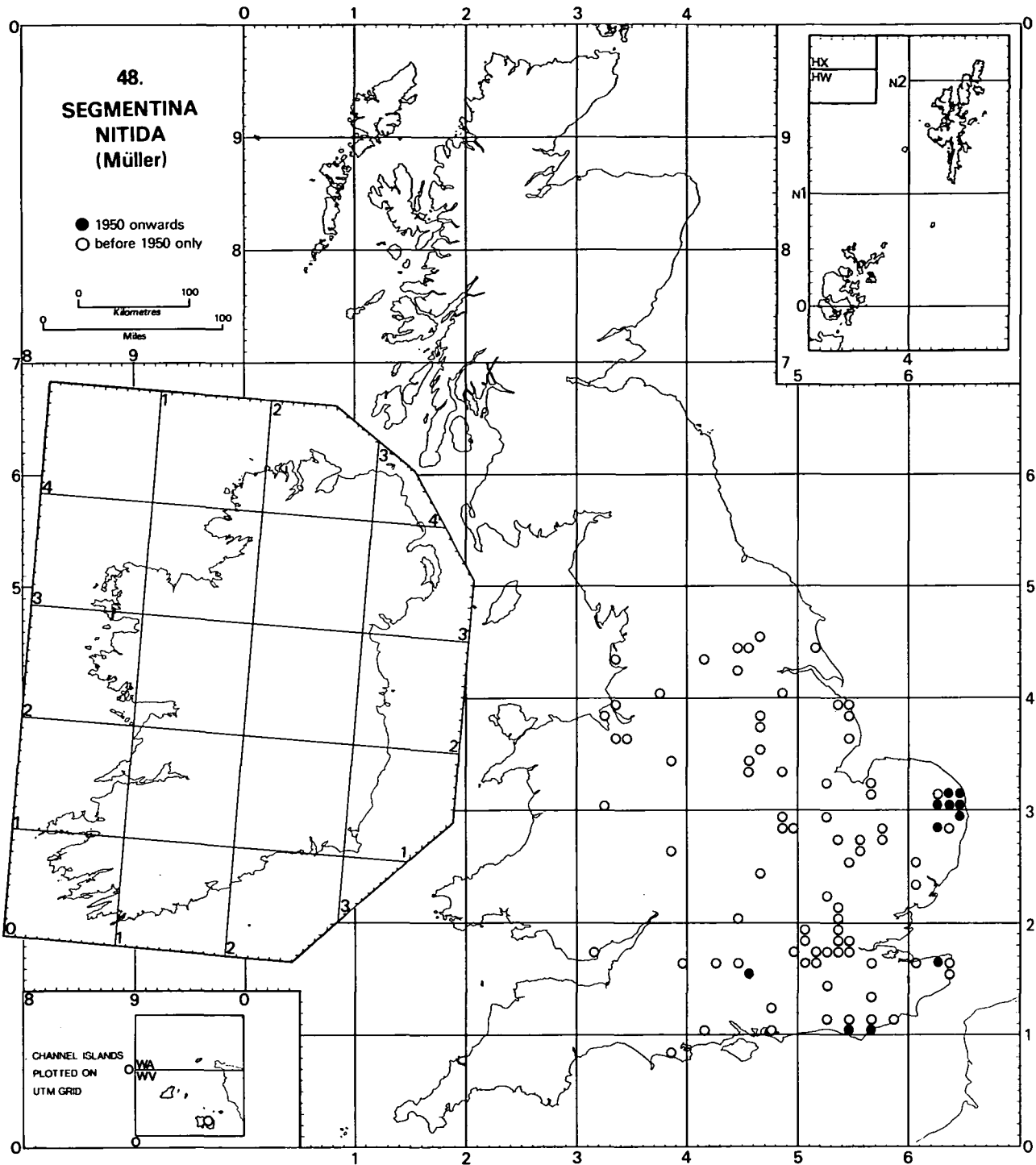
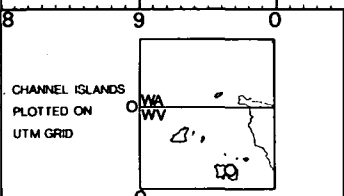
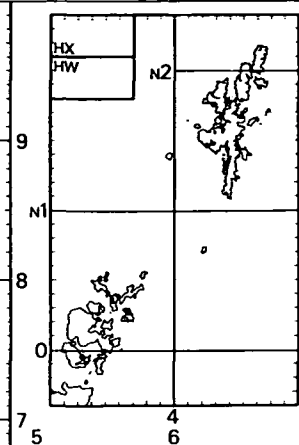
CHANNEL ISLANDS
PLOTTED ON
UTM GRID



48.
SEGMENTINA
NITIDA
(Müller)

● 1950 onwards
○ before 1950 only

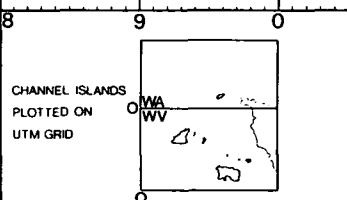
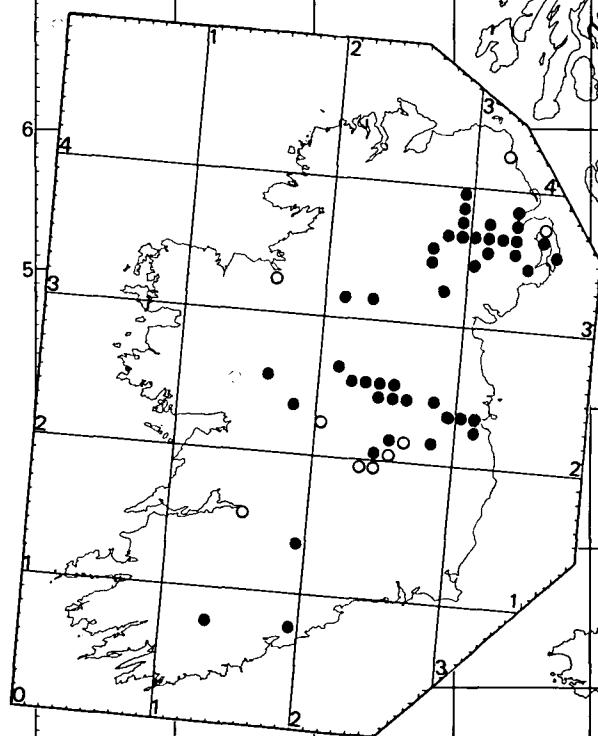
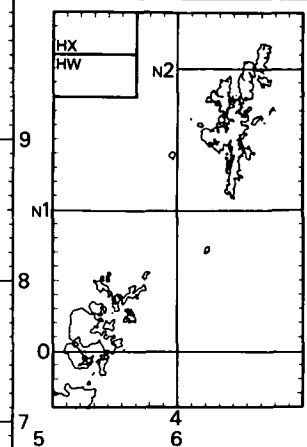
0 100
Kilometres
0 100
Miles



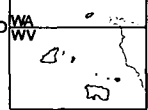
49.
PLANORBARIUS
CORNEUS (L.)

● 1950 onwards
○ before 1950 only

0 100
Kilometres
0 100
Miles

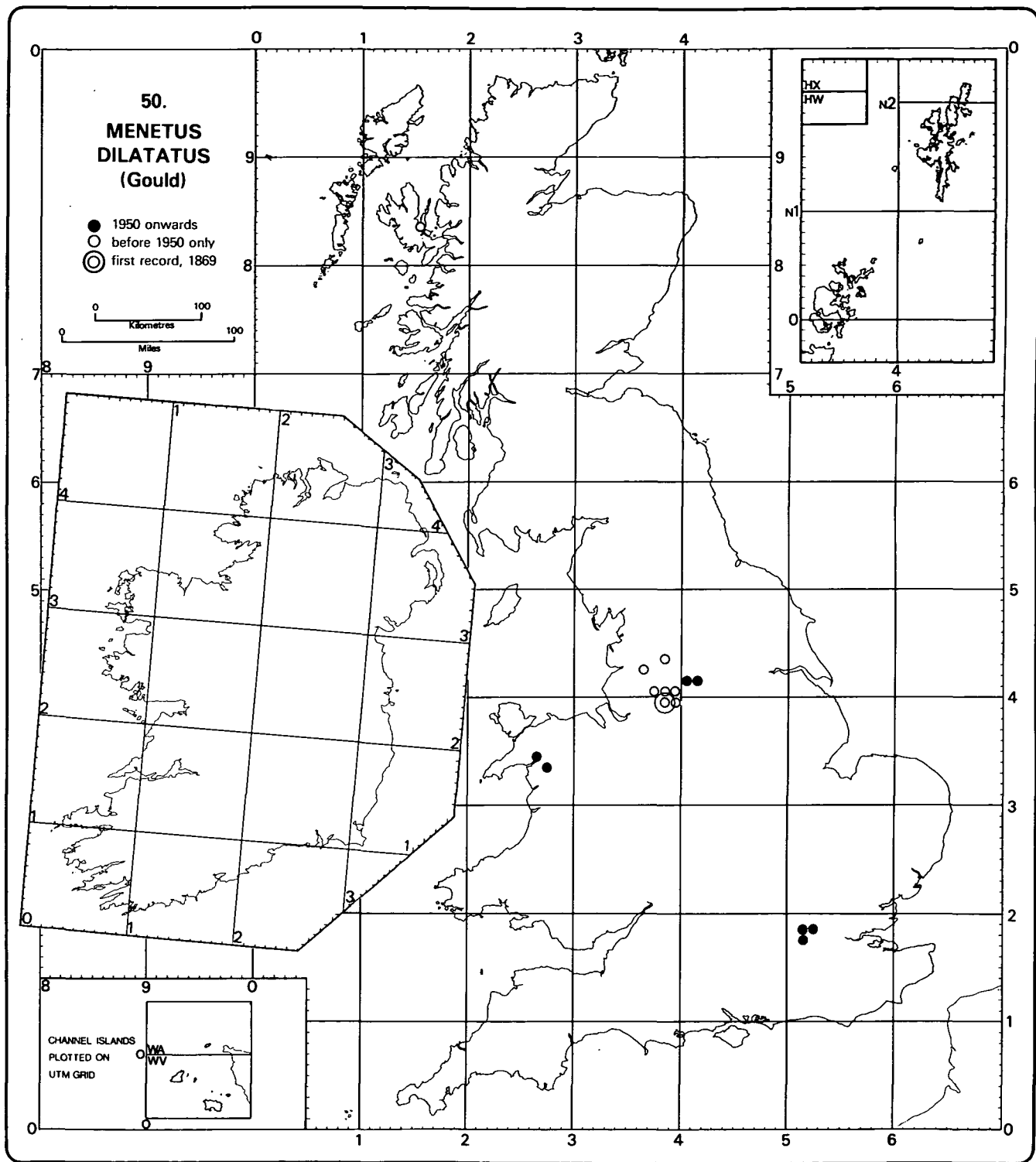
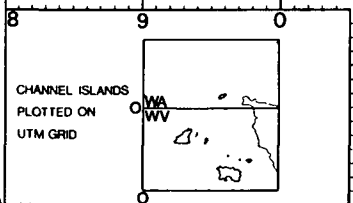
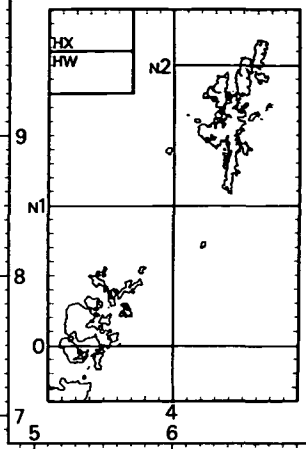
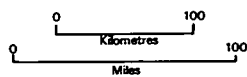


CHANNEL ISLANDS
PLOTTED ON
UTM GRID



50.
**MENETUS
DILATATUS**
(Gould)

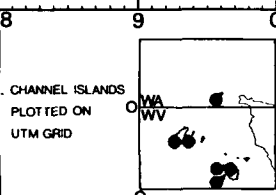
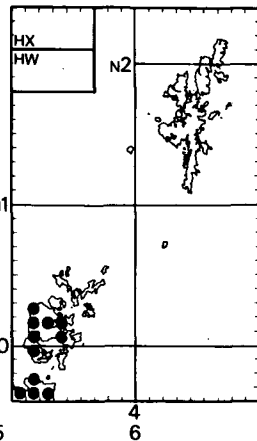
- 1950 onwards
- before 1950 only
- ⊙ first record, 1869



51.
**ANCYLUS
FLUVIATILIS**
Müller

● all records

0 100
Kilometres
0 100
Miles

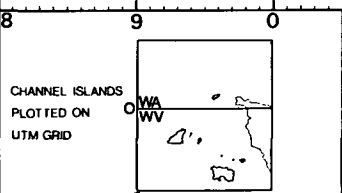
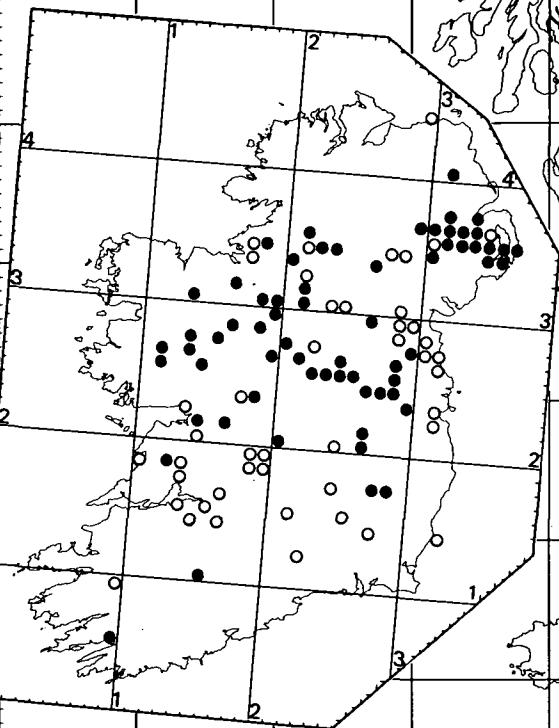
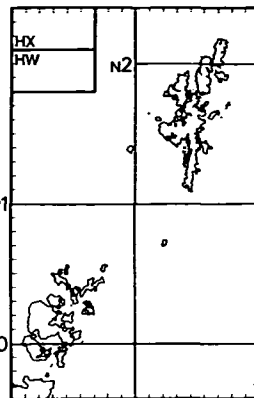


CHANNEL ISLANDS
PLOTTED ON
UTM GRID

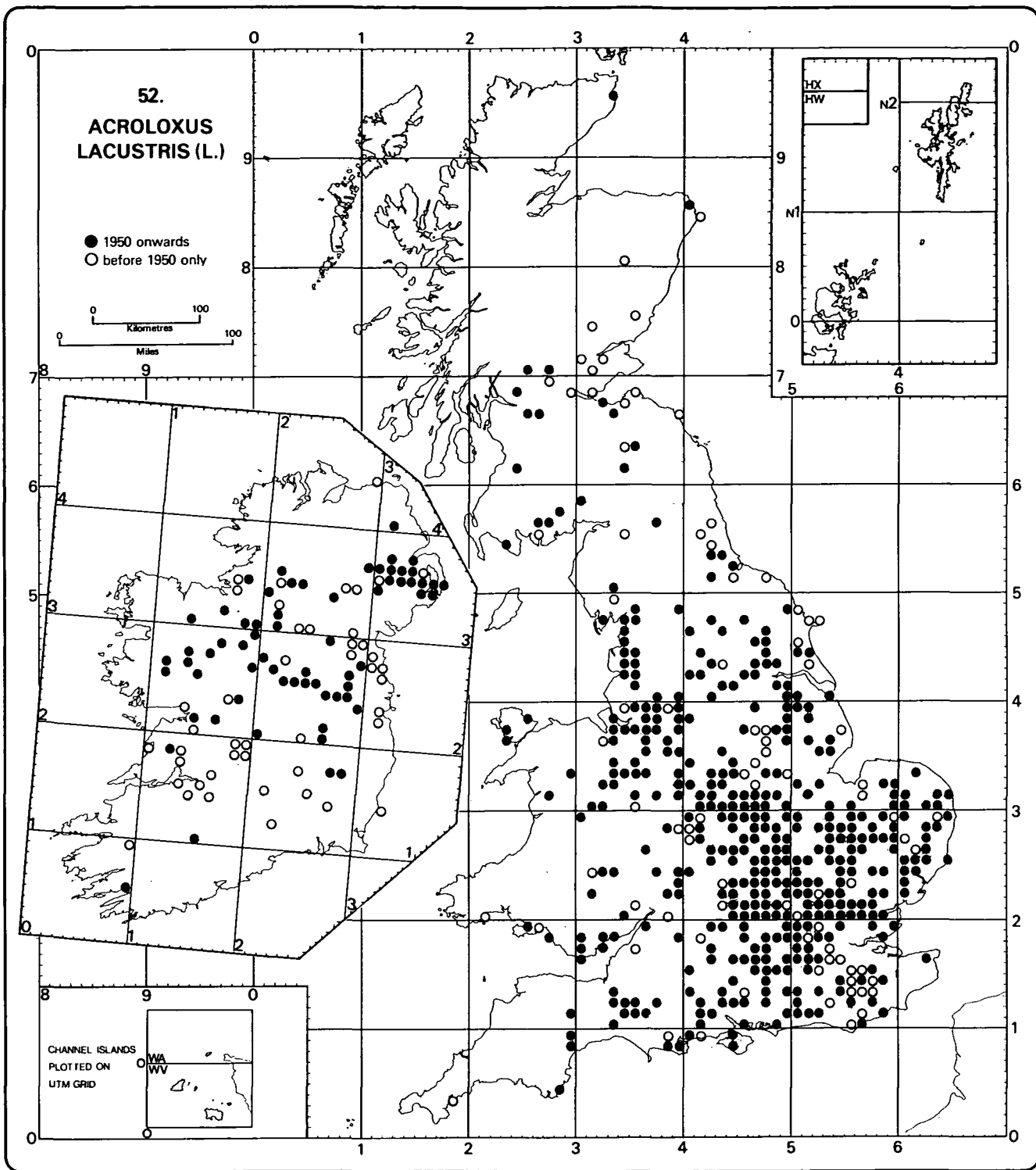
52.
**ACROLOXUS
LACUSTRIS (L.)**

● 1950 onwards
○ before 1950 only

0 100
Kilometres
0 100
Miles

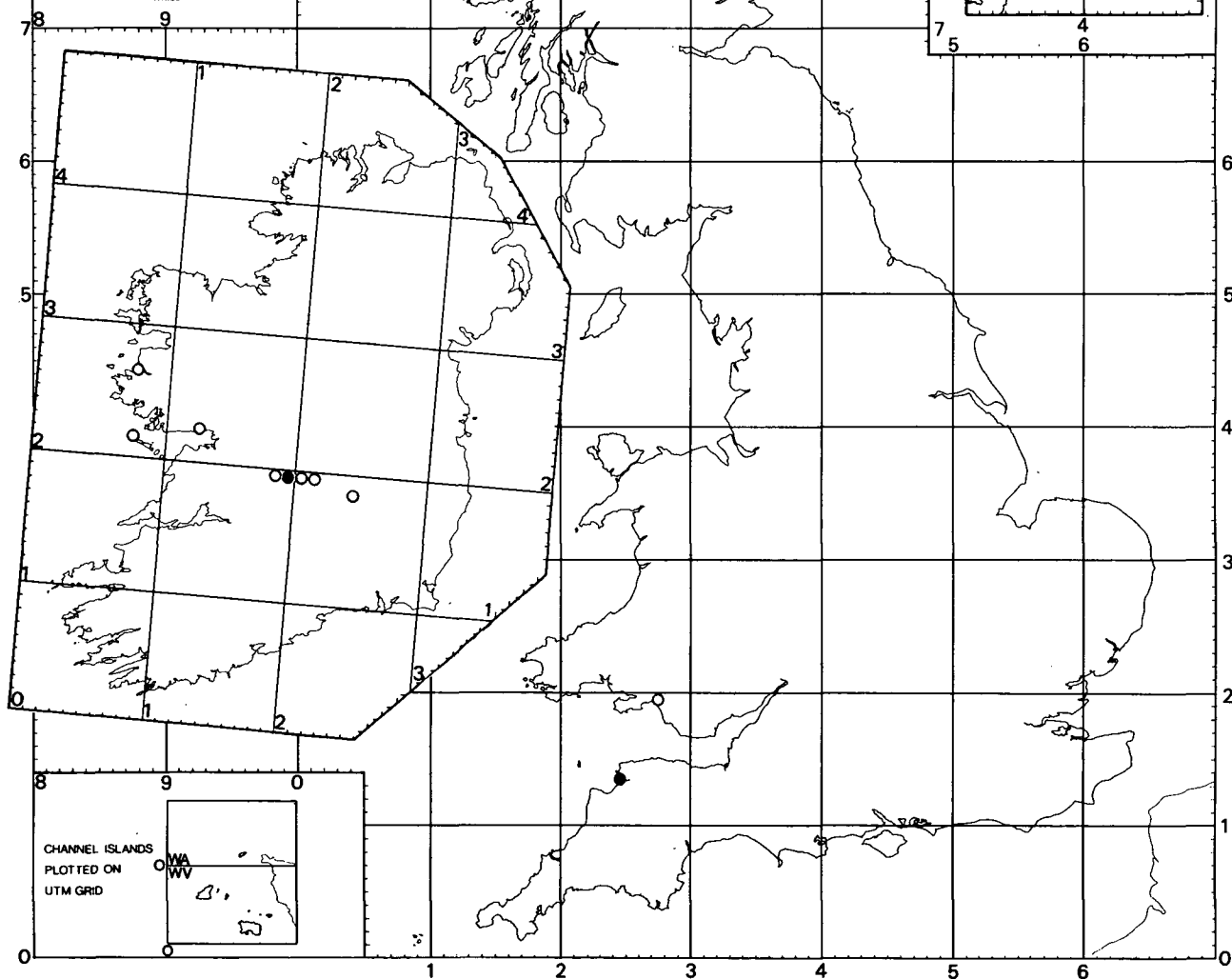
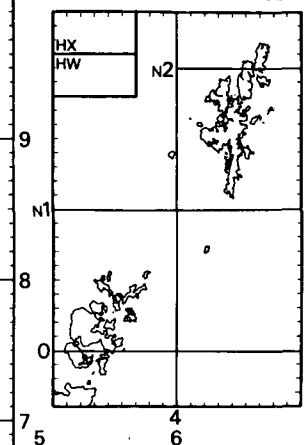
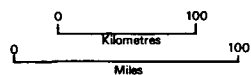


CHANNEL ISLANDS
PLOTED ON
UTM GRID



53.
CATINELLA
ARENARIA
(Bouchard-
Chantreaux)

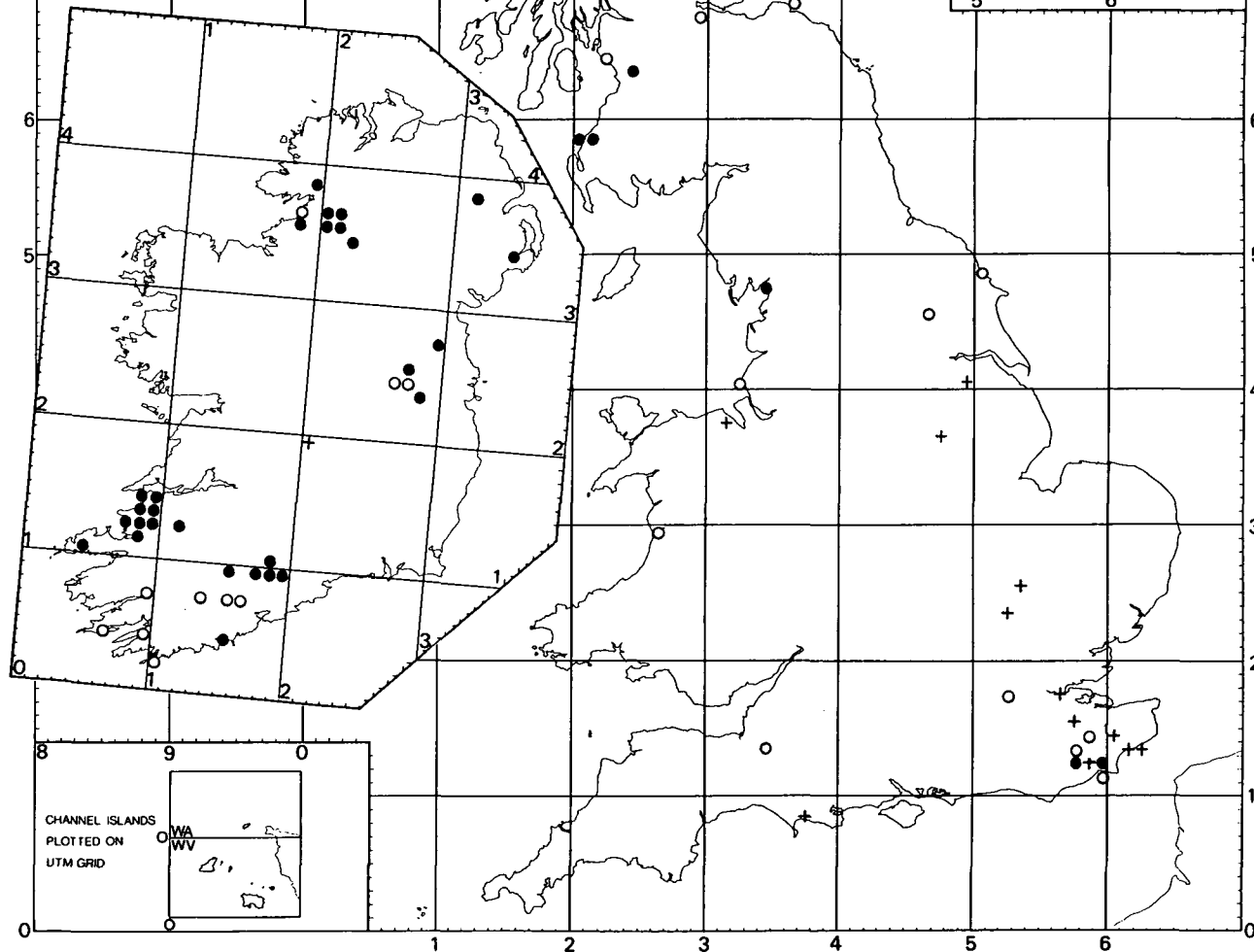
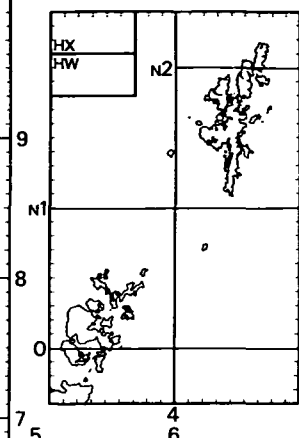
- 1950 onwards
- before 1950 only



54.
SUCCINEA
OBLONGA
Draparnaud

- 1950 onwards
- before 1950 only
- + Flandrian fossils

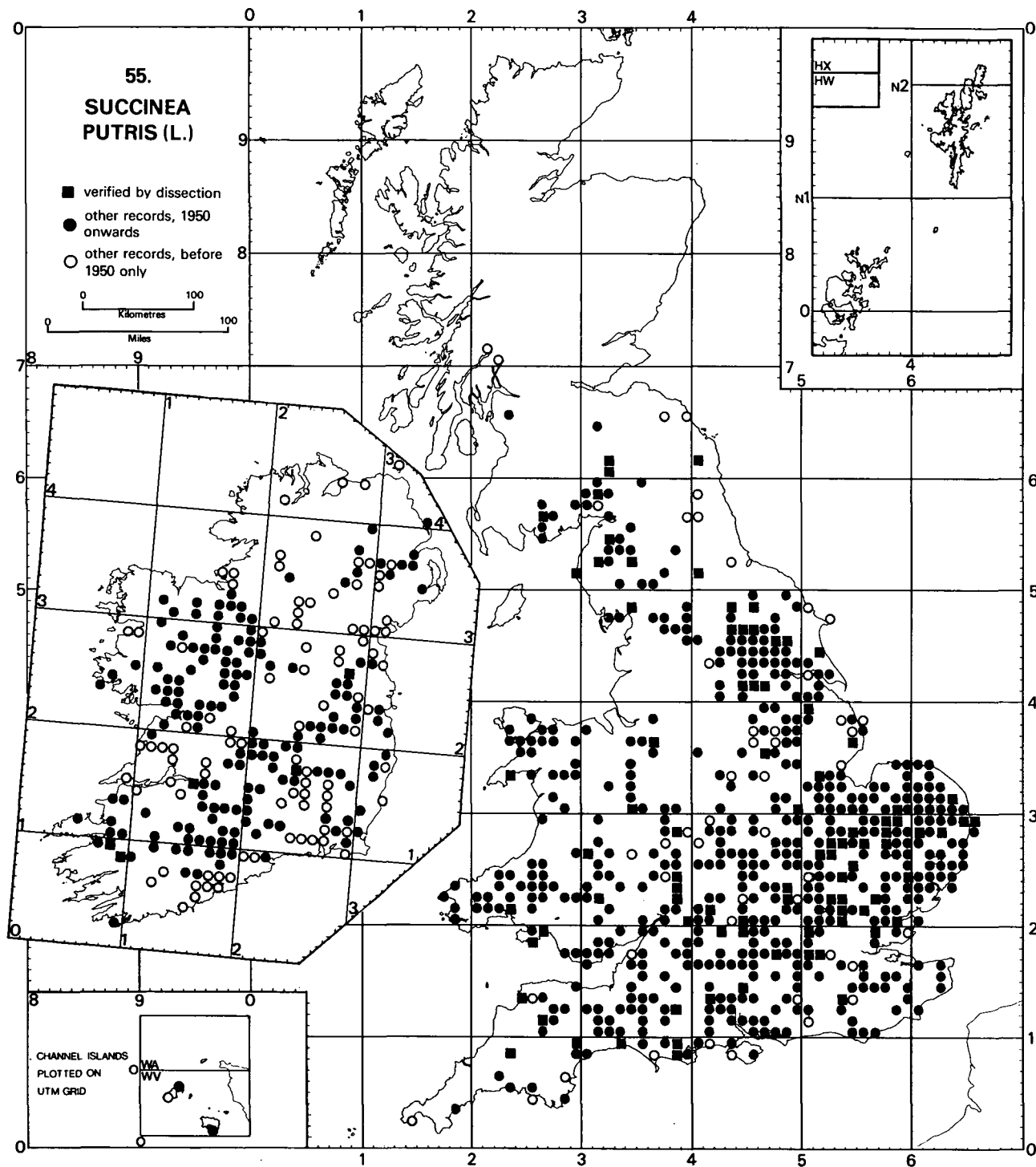
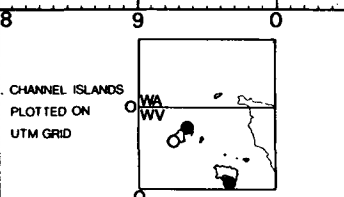
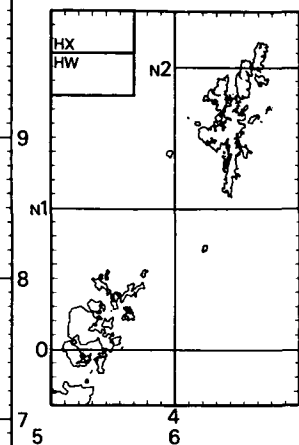
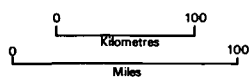
0 100
Kilometres
0 100
Miles



CHANNEL ISLANDS
PLOTTED ON
UTM GRID

55.
**SUCCINEA
PUTRIS (L.)**

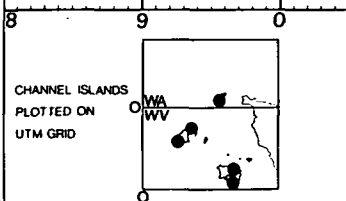
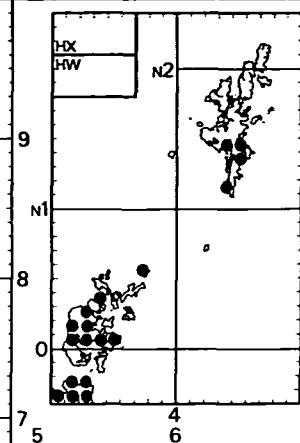
- verified by dissection
- other records, 1950 onwards
- other records, before 1950 only



56.
**OXYLOMA
 PFEIFFERI**
 (Rossmässler)

● all records

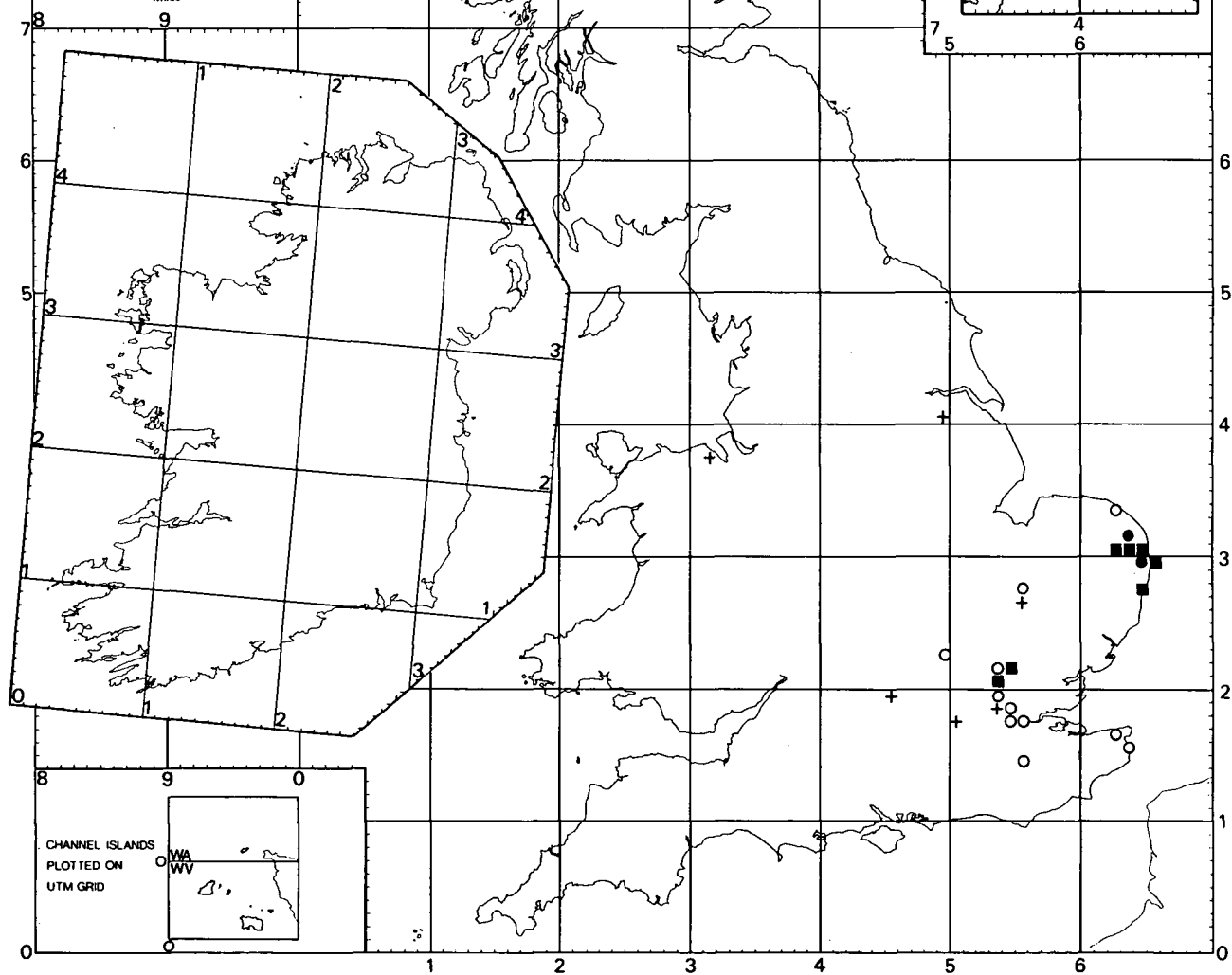
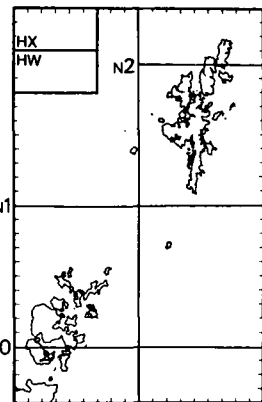
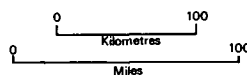
0 100
 Kilometres
 0 100
 Miles



CHANNEL ISLANDS
 PLOTTED ON
 UTM GRID

57.
OXYLOMA
SARSI
(Esmark)

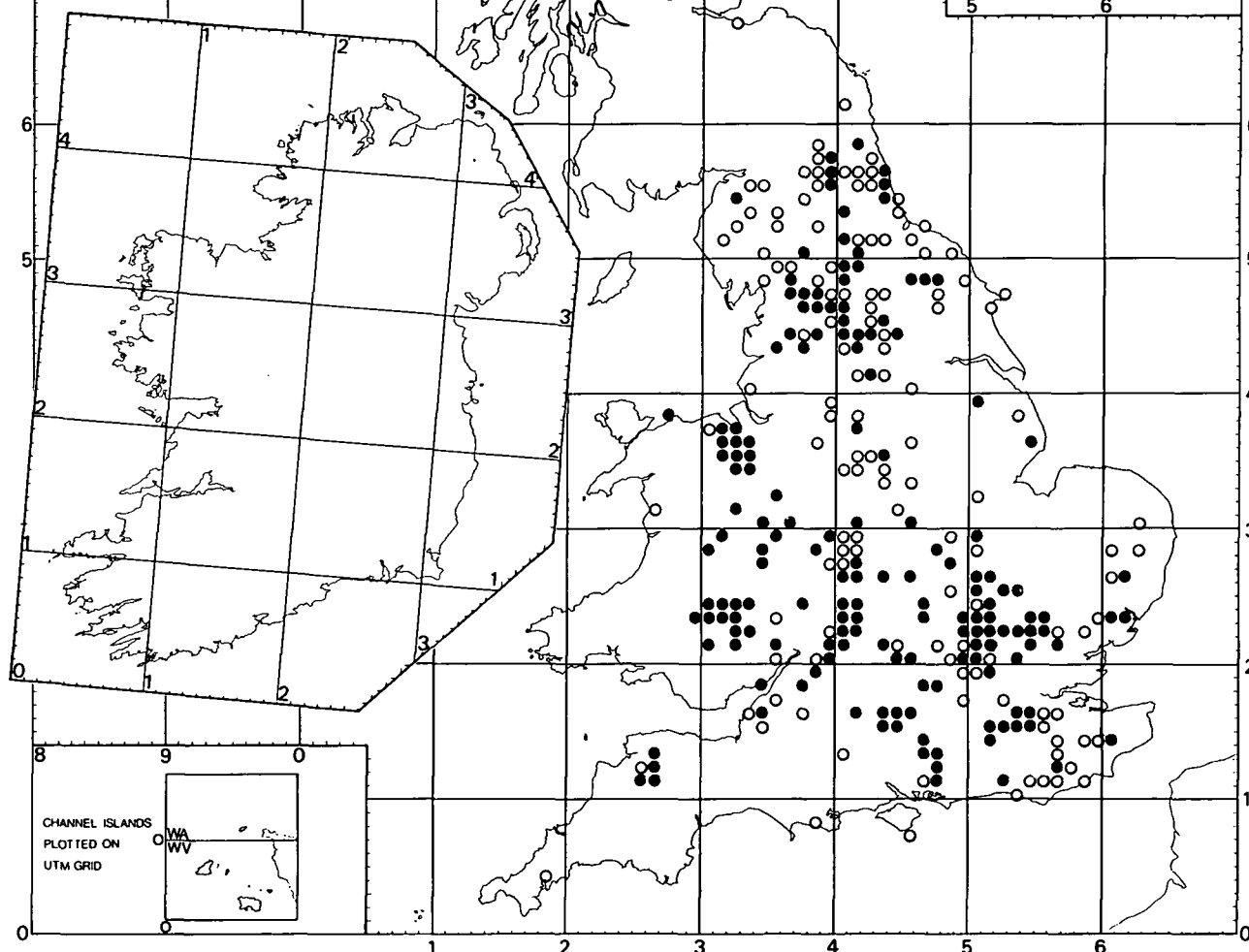
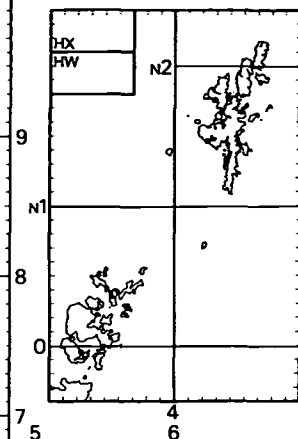
- verified by dissection
- other records, 1950 onwards
- other records, before 1950
- + only Flandrian fossils



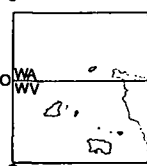
58.
AZECA
GOODALLI
(Férussac)

● 1950 onwards
 ○ before 1950 only

0 100
 Kilometres
 0 100
 Miles



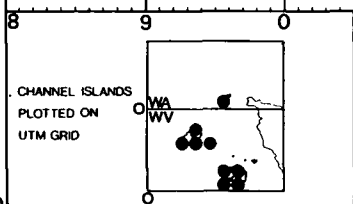
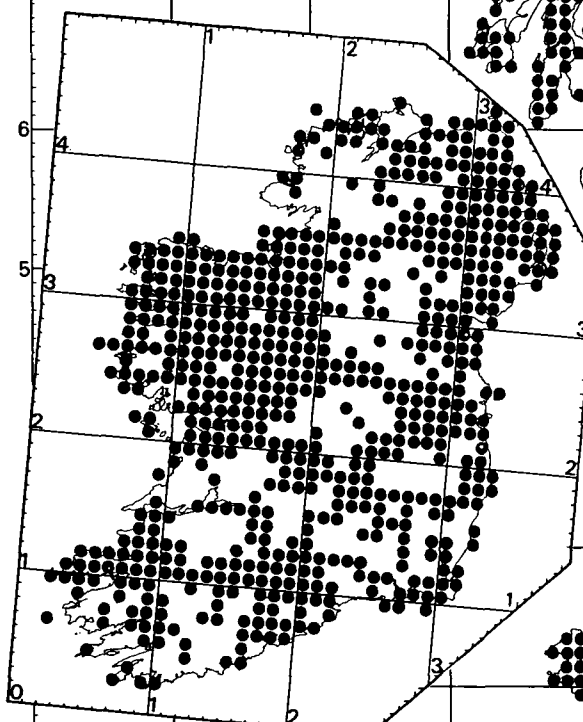
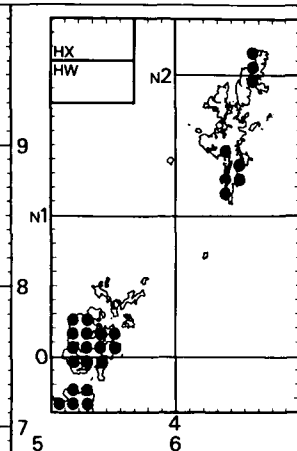
CHANNEL ISLANDS
 PLOTTED ON
 UTM GRID



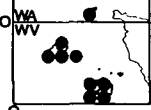
59.
COCHLICOPA
LUBRICA
(Müller)

● all records

0 100
Kilometres
0 100
Miles



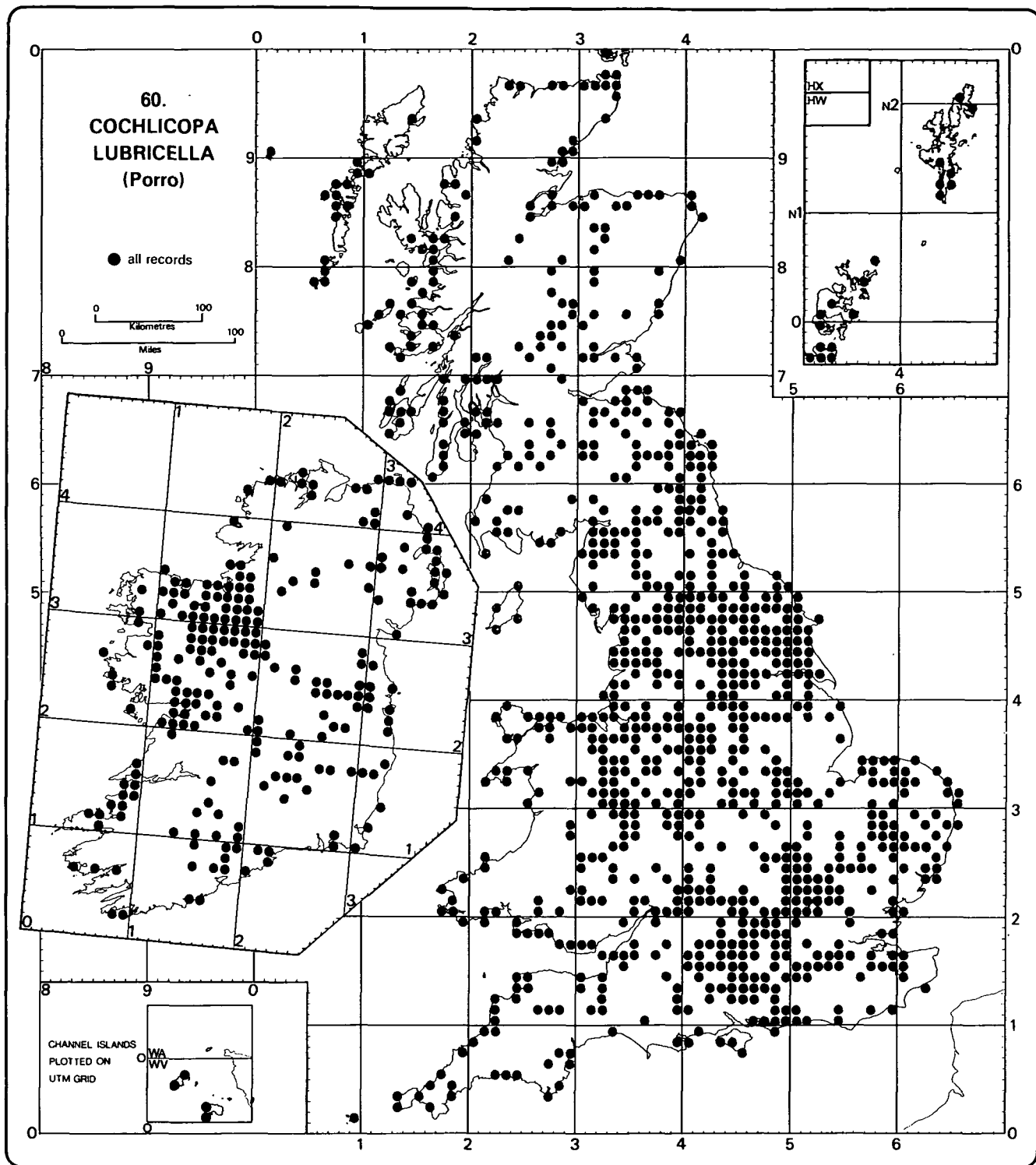
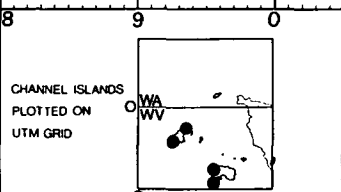
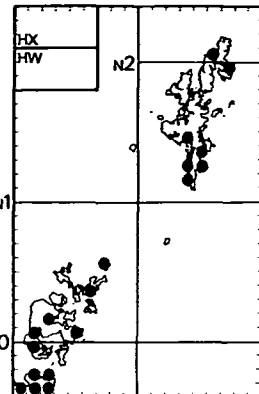
CHANNEL ISLANDS
PLOTTED ON
UTM GRID



60.
COCHLICOPA
LUBRICELLA
(Porro)

● all records

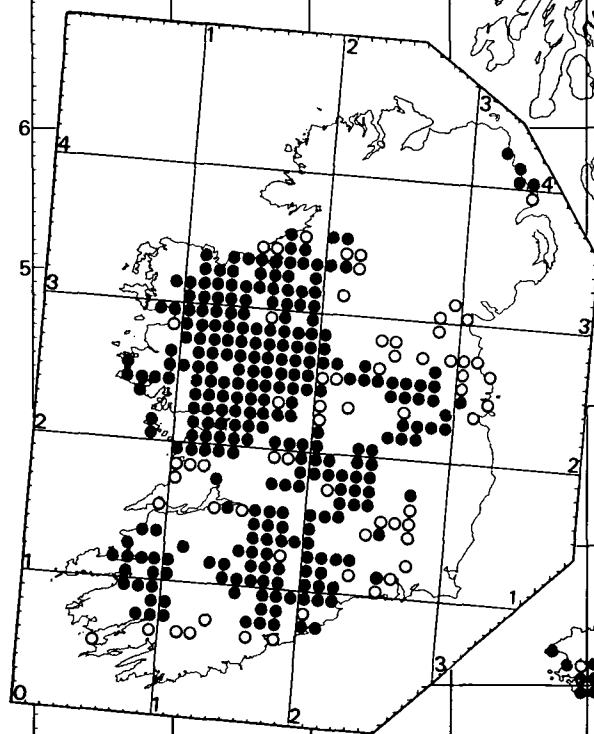
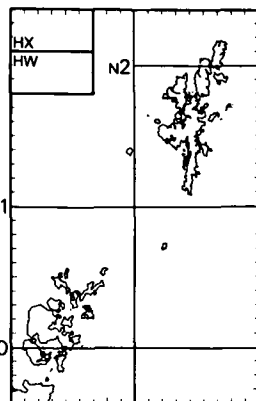
0 100
Kilometres
0 100
Miles



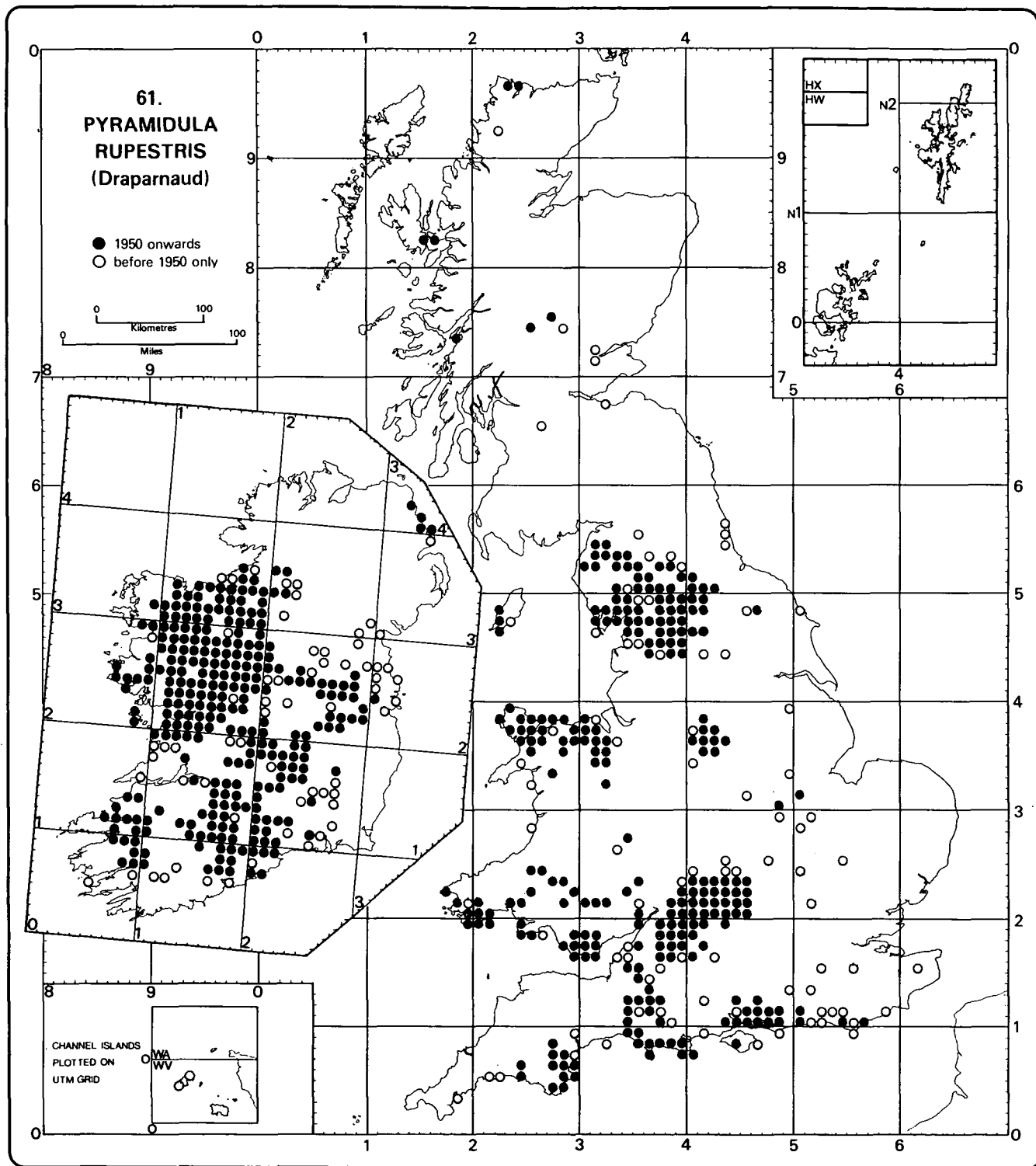
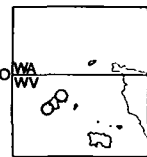
61.
**PYRAMIDULA
RUPESTRIS**
(Draparnaud)

● 1950 onwards
○ before 1950 only

0 100
Kilometres
0 100
Miles

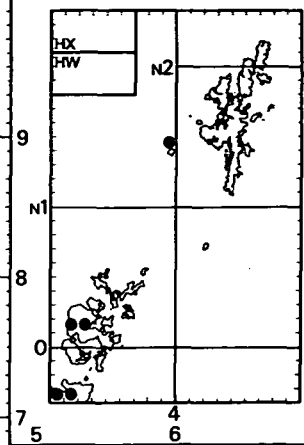


CHANNEL ISLANDS
PLOTTED ON
UTM GRID

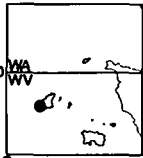


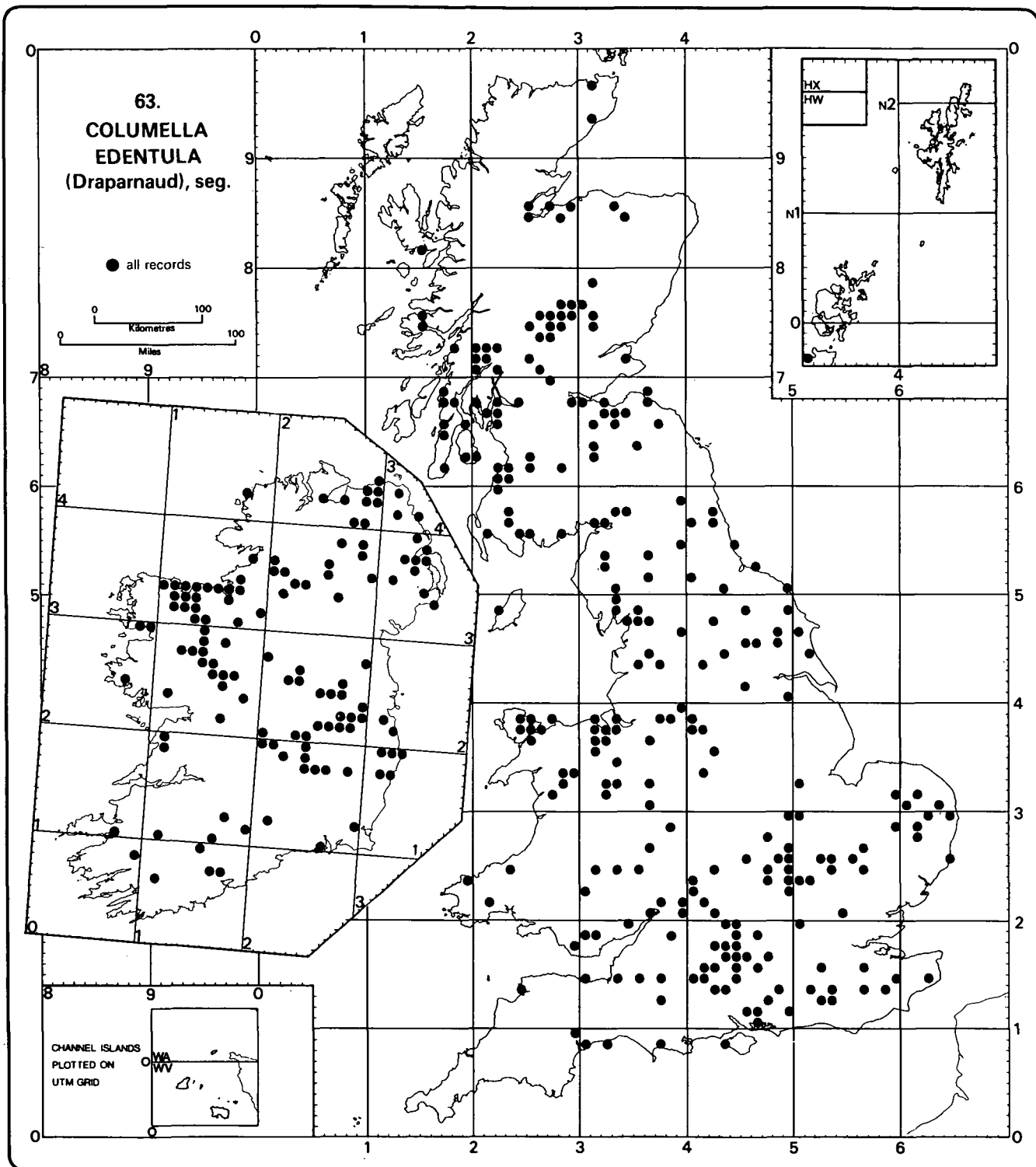
62.
COLUMELLA
EDENTULA
(Draparnaud), agg.

- all records



CHANNEL ISLAND
PLOTTED ON
UTM GRID

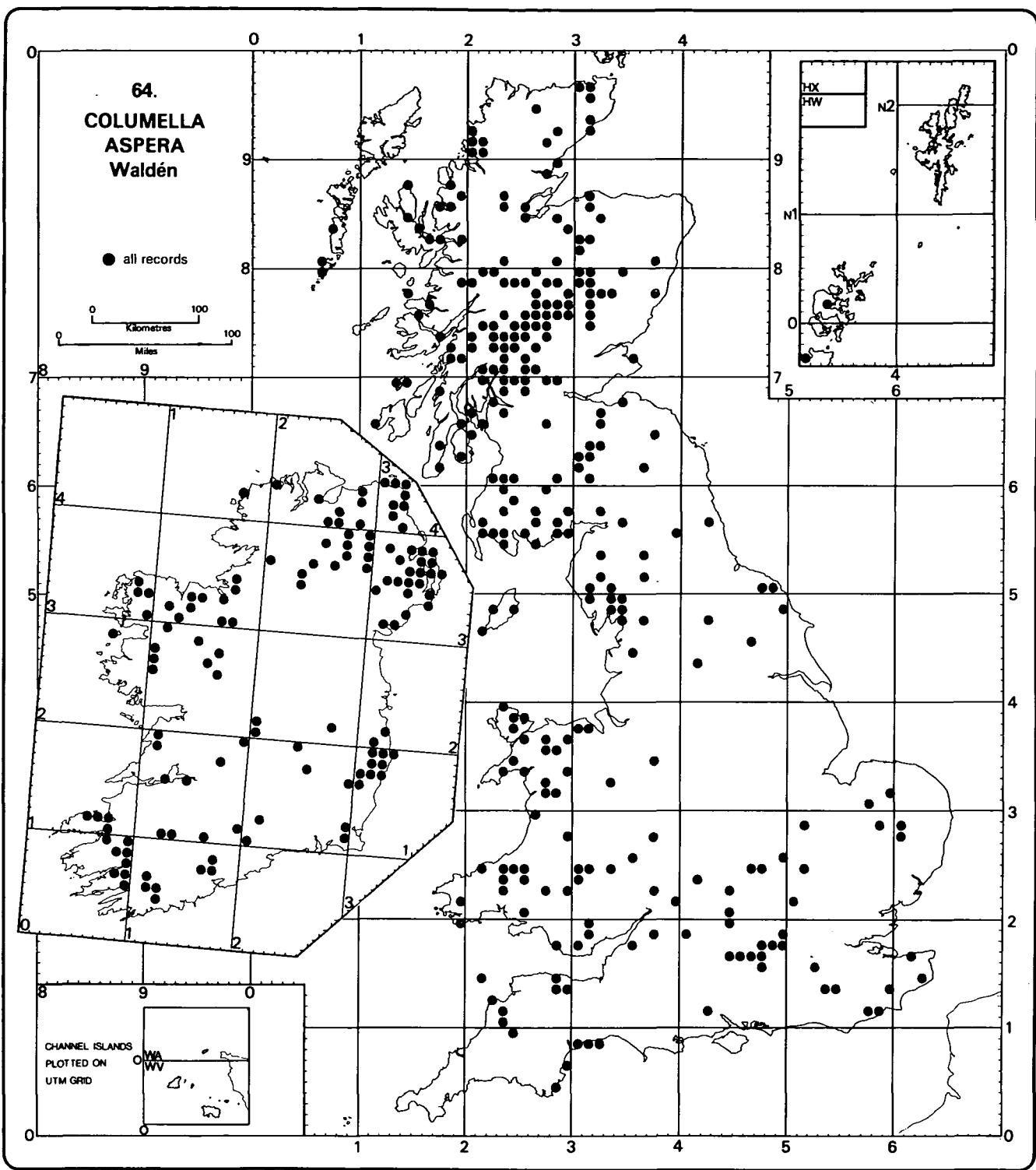
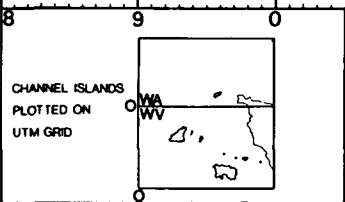
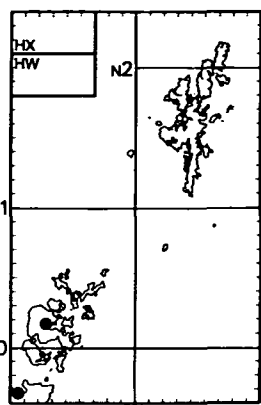




64.
COLUMELLA
ASPERA
Waldén

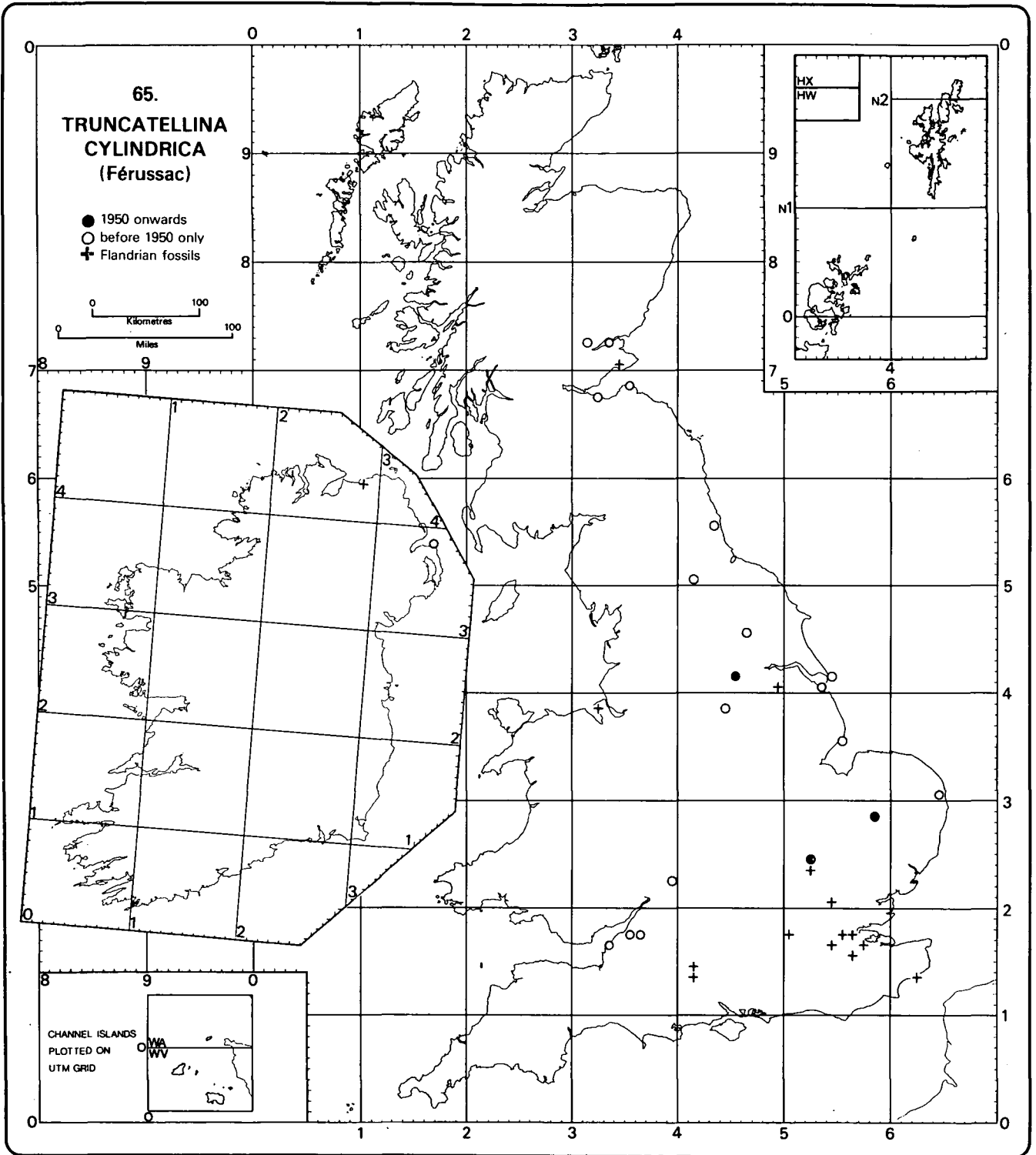
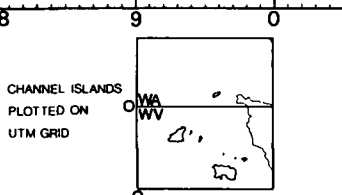
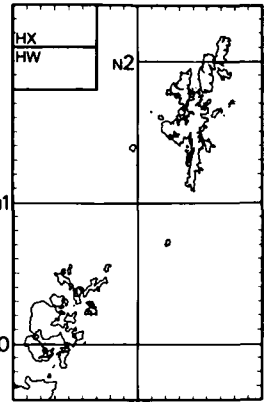
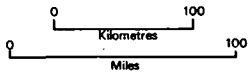
● all records

0 100
Kilometres
0 100
Miles



65.
TRUNCATELLINA
CYLINDRICA
(Férussac)

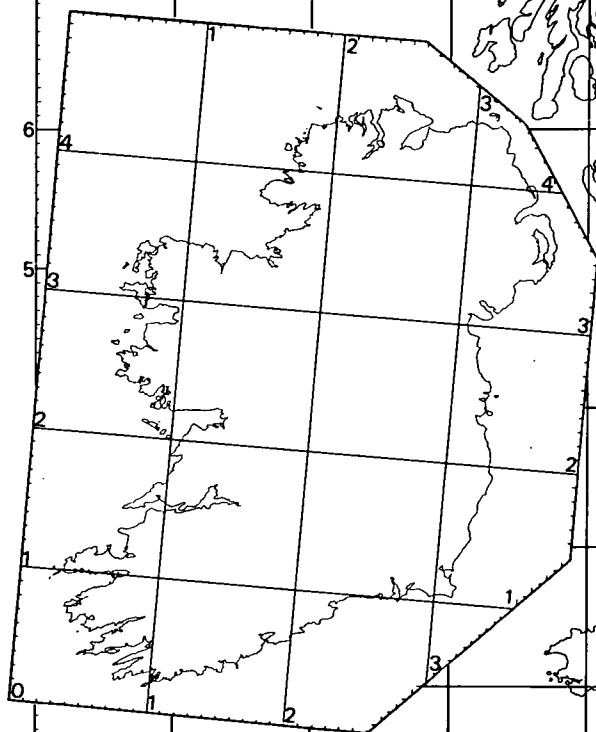
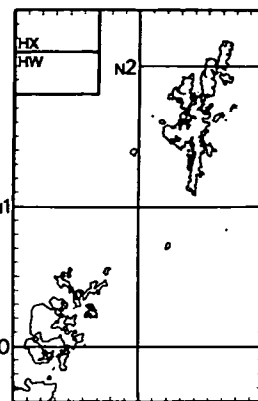
- 1950 onwards
- before 1950 only
- + Flandrian fossils



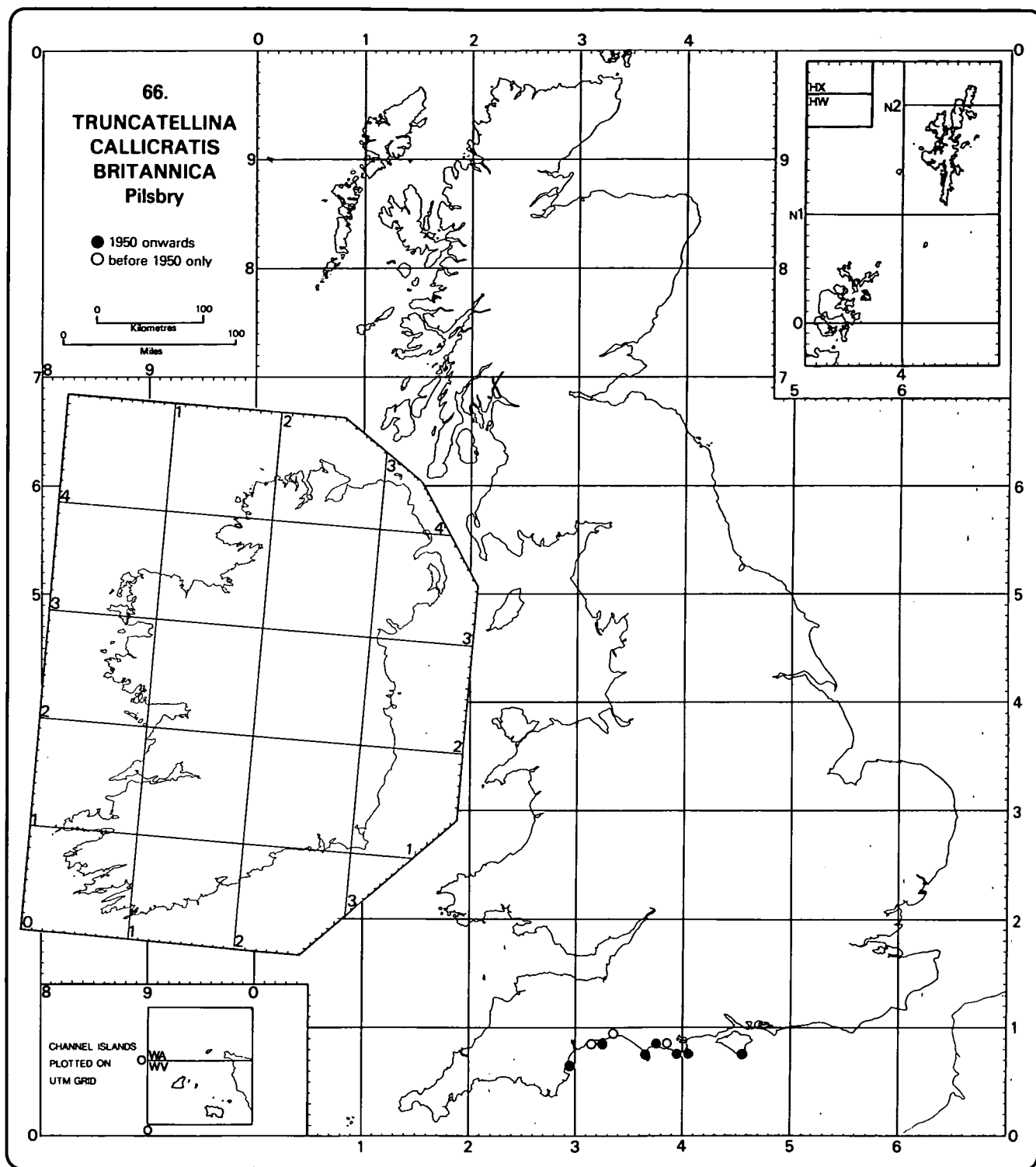
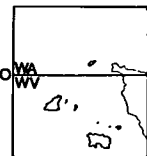
66.
TRUNCATELLINA
CALLICRATIS
BRITANNICA
Pilsbry

● 1950 onwards
○ before 1950 only

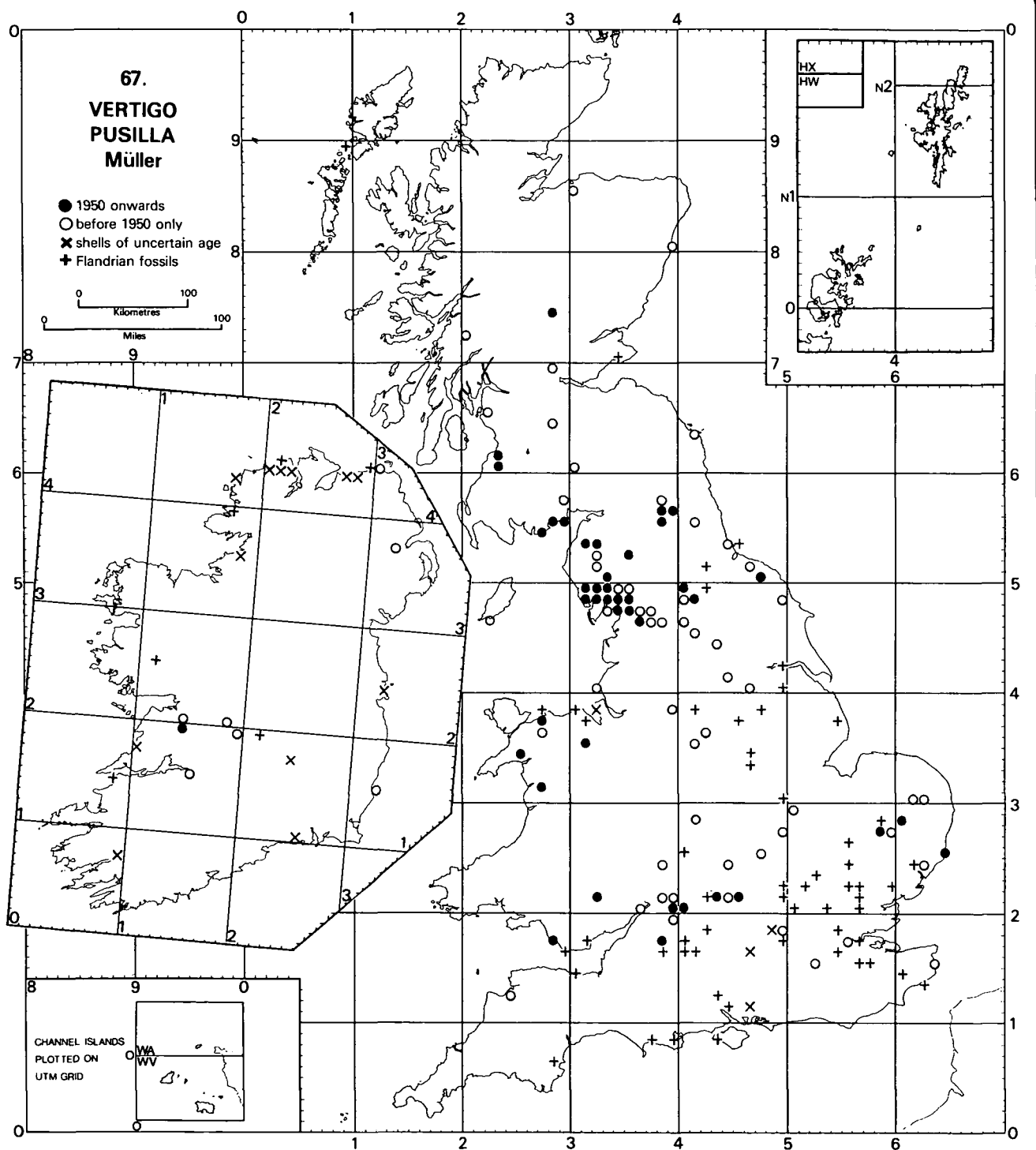
0 100
Kilometres
0 100
Miles



CHANNEL ISLANDS
PLOTTED ON
UTM GRID

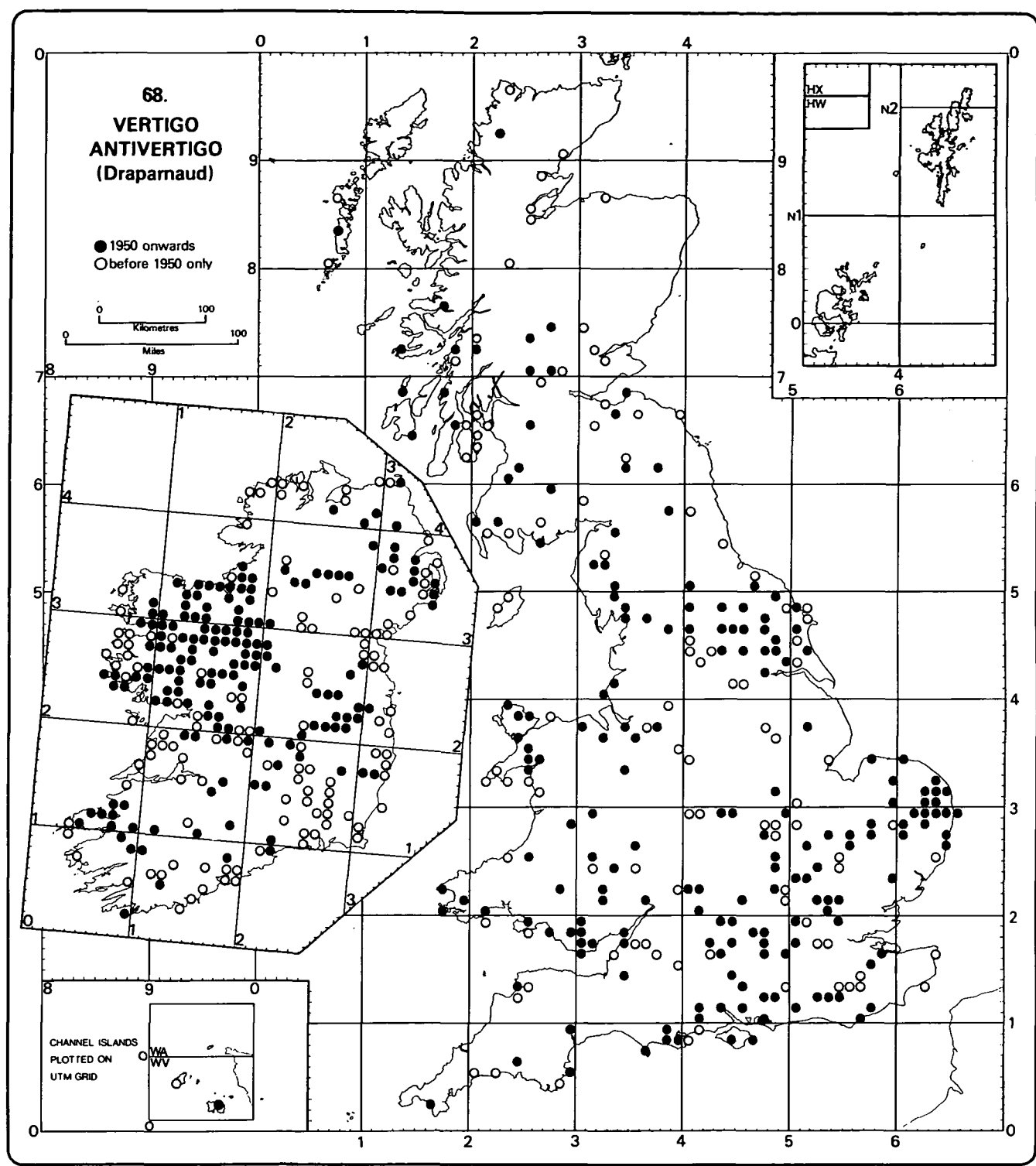
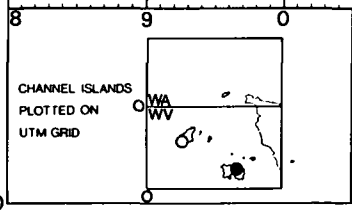
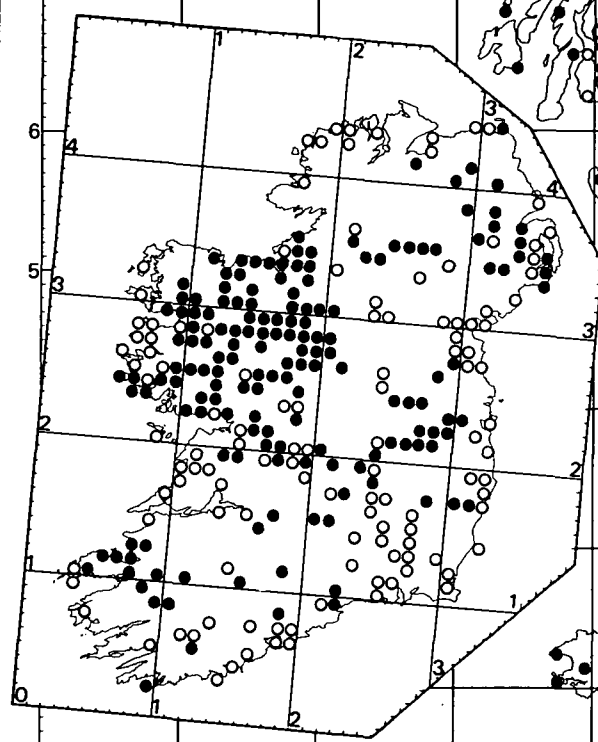
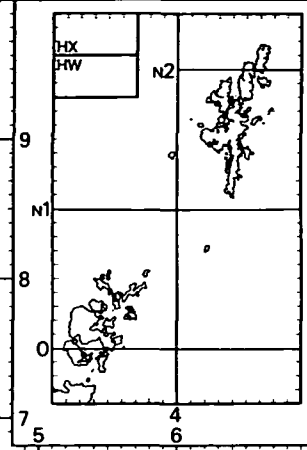
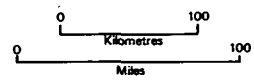


- 1950 onwards
- before 1950 only
- ✕ shells of uncertain age
- ✚ Flandrian fossils



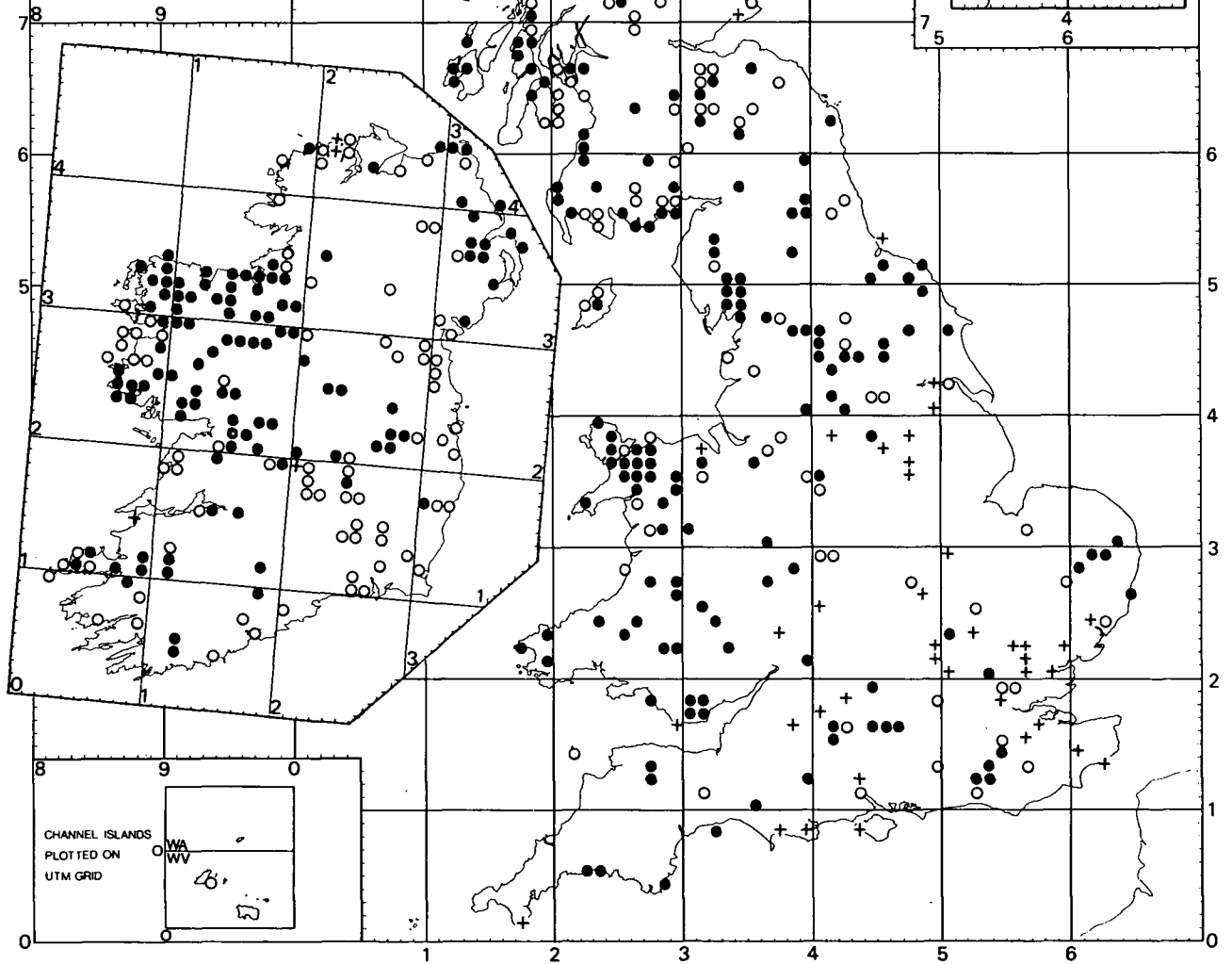
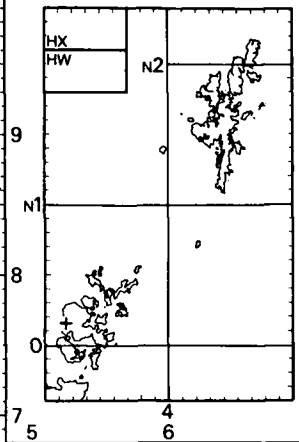
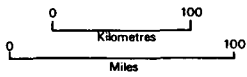
68.
VERTIGO
ANTIVERTIGO
(Draparnaud)

● 1950 onwards
○ before 1950 only



69.
VERTIGO
SUBSTRIATA
(Jeffreys)

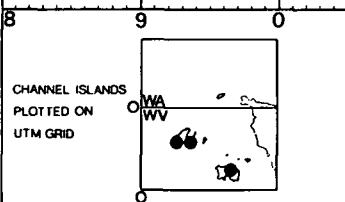
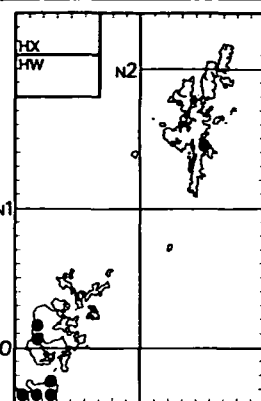
- 1950 onwards
- before 1950 only
- + Flandrian fossils



70.
VERTIGO
PYGMAEA
(Draparnaud)

● all records

0 100
Kilometres
0 100
Miles

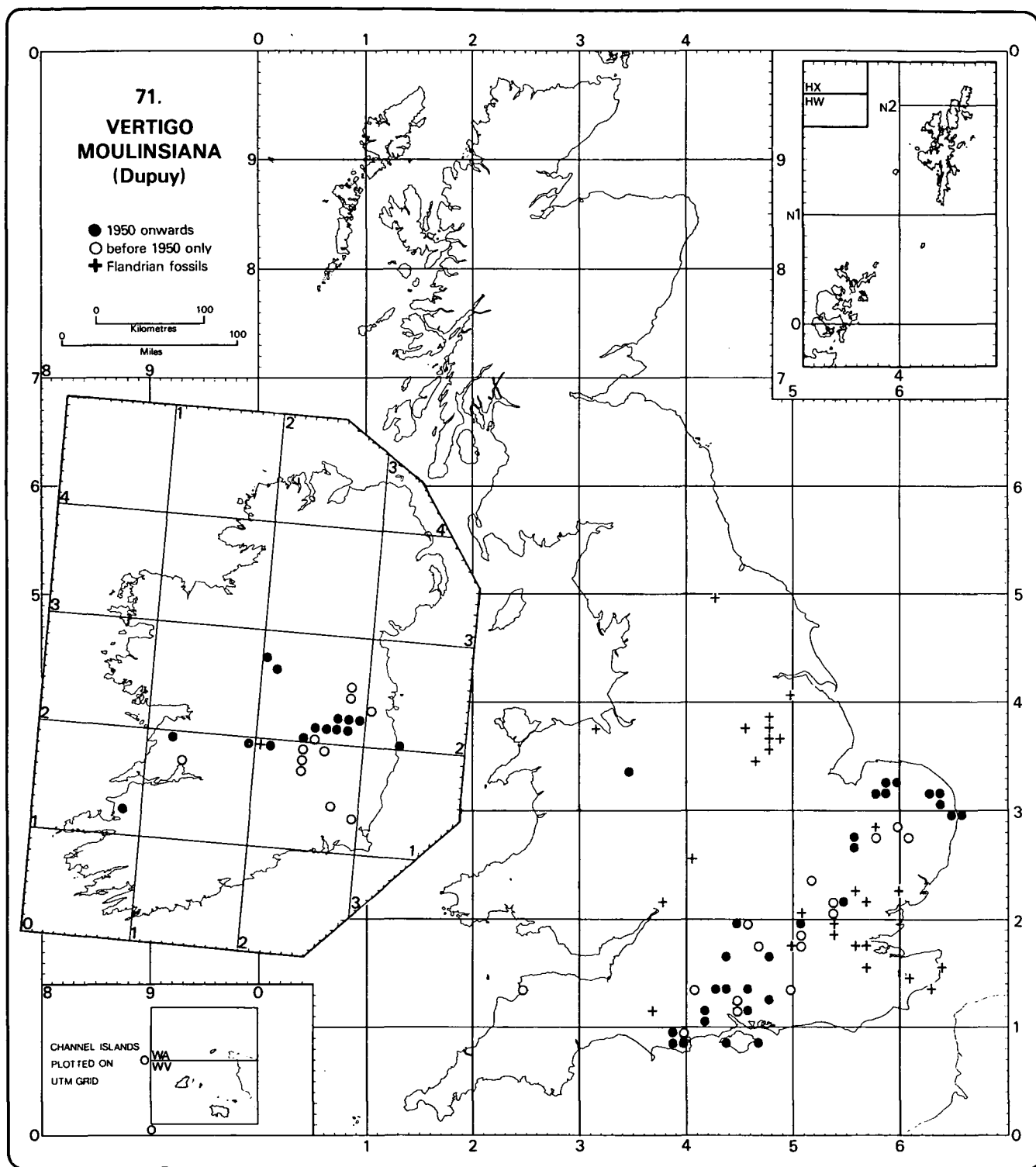
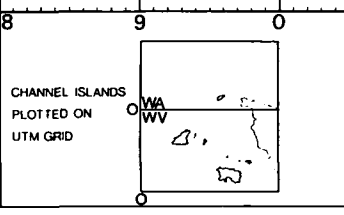
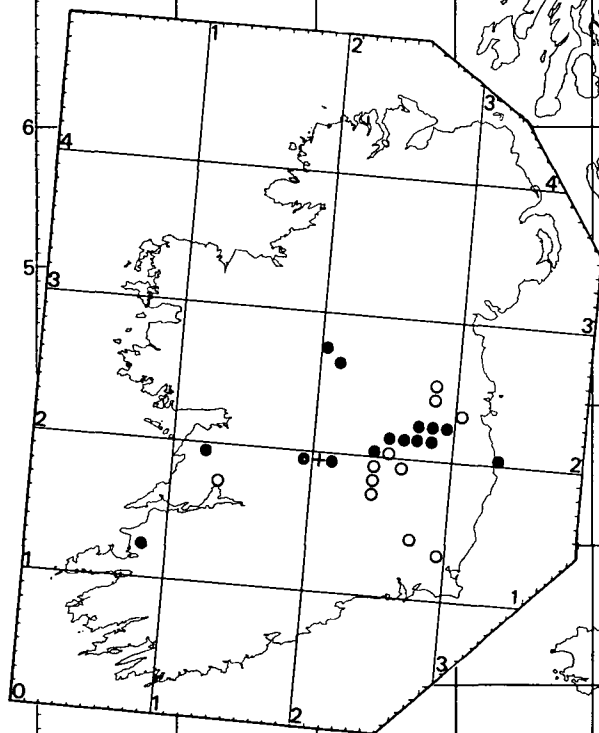
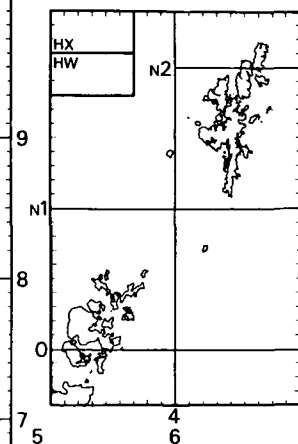


CHANNEL ISLANDS
PLOTTED ON
UTM GRID

71.
VERTIGO
MOULINSIANA
(Dupuy)

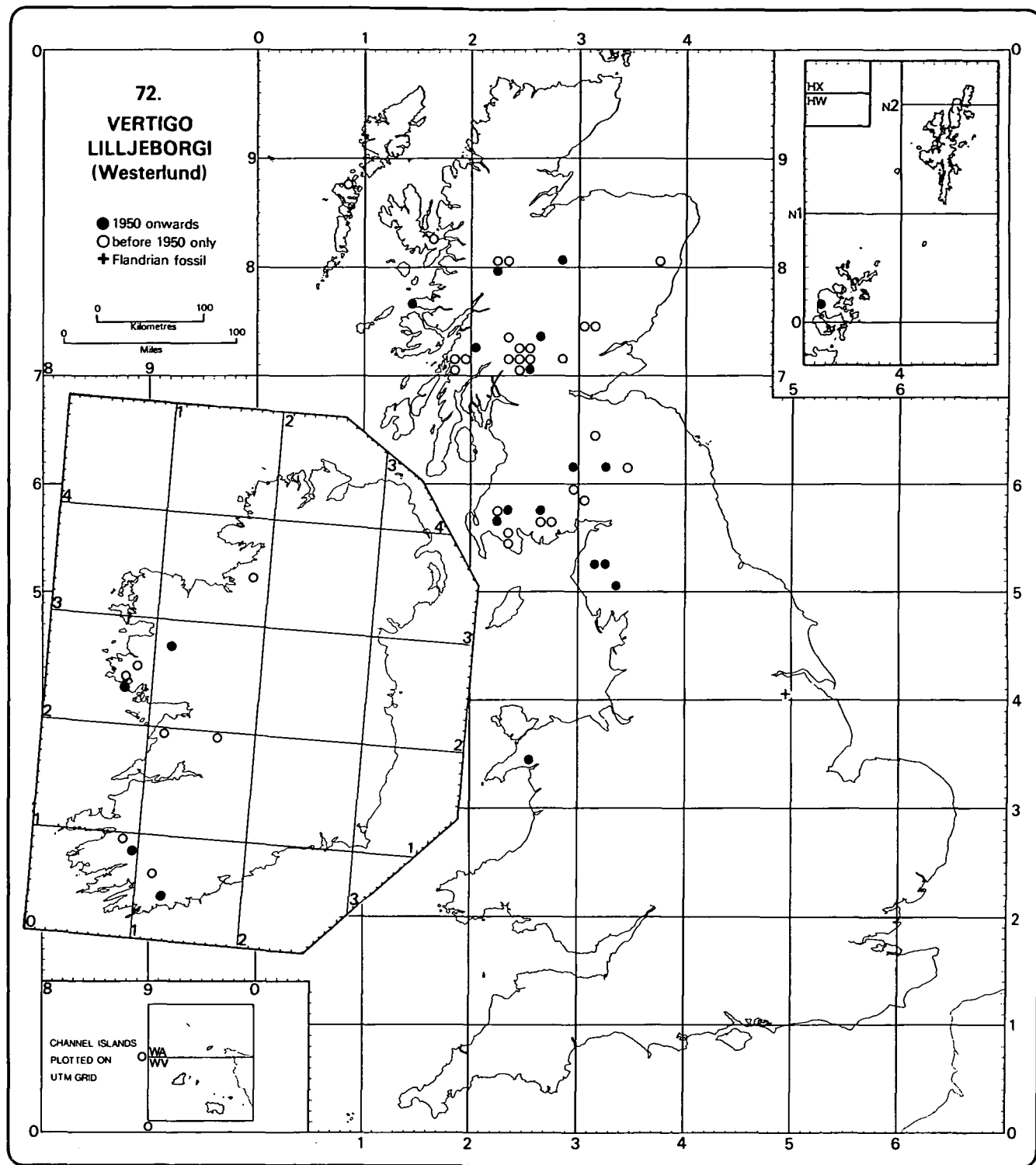
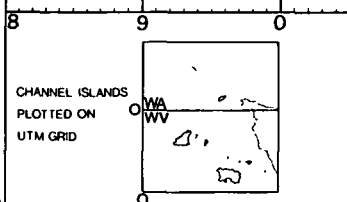
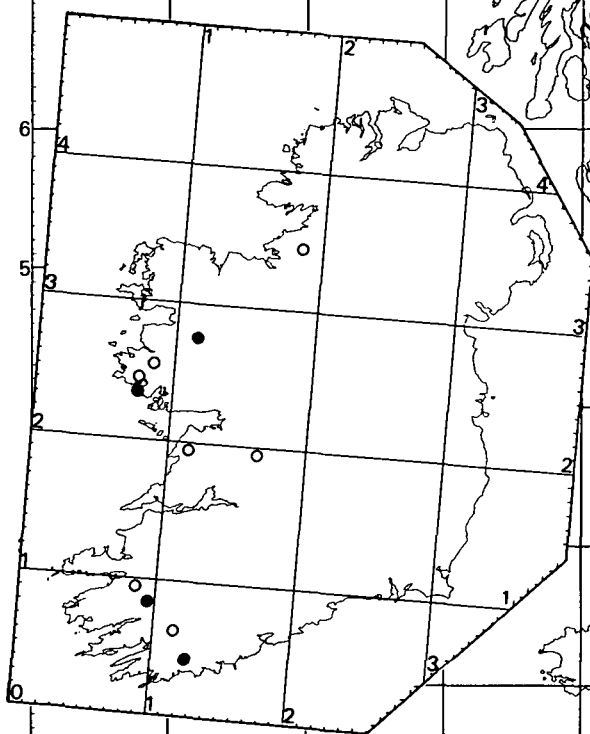
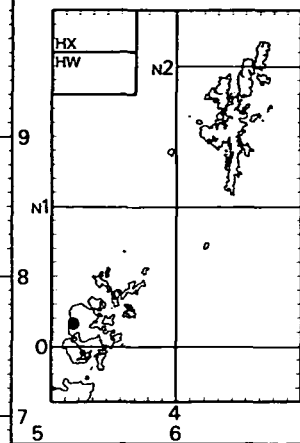
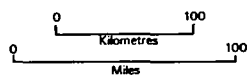
- 1950 onwards
- before 1950 only
- + Flandrian fossils

0 100
Kilometres
0 100
Miles



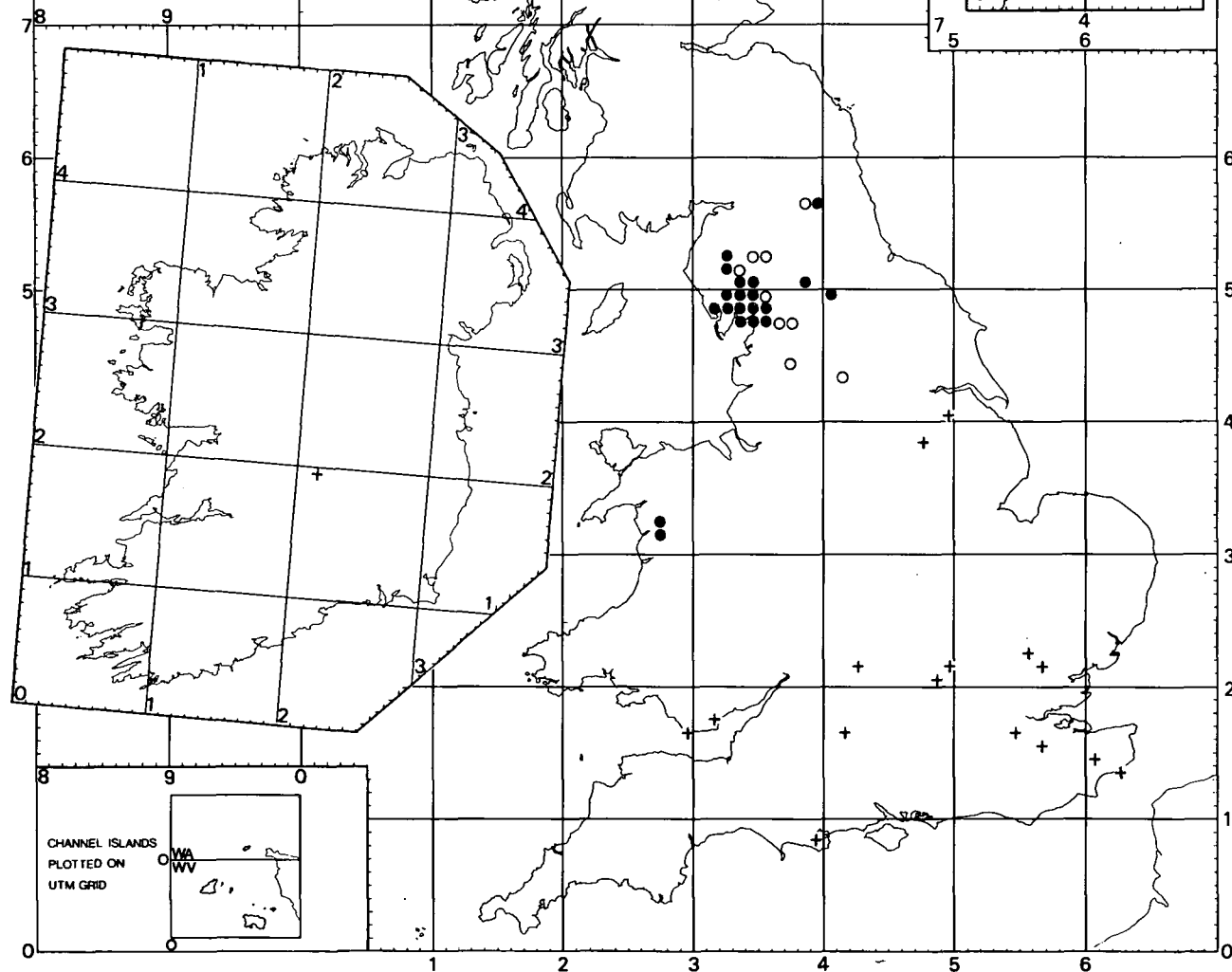
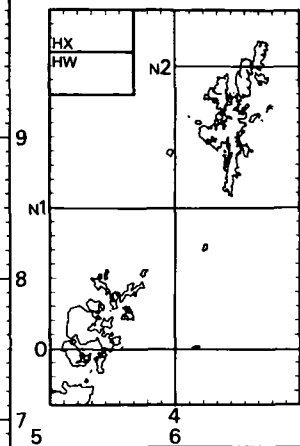
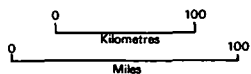
72.
VERTIGO
LILLJEBORGI
(Westerlund)

- 1950 onwards
- before 1950 only
- + Flandrian fossil



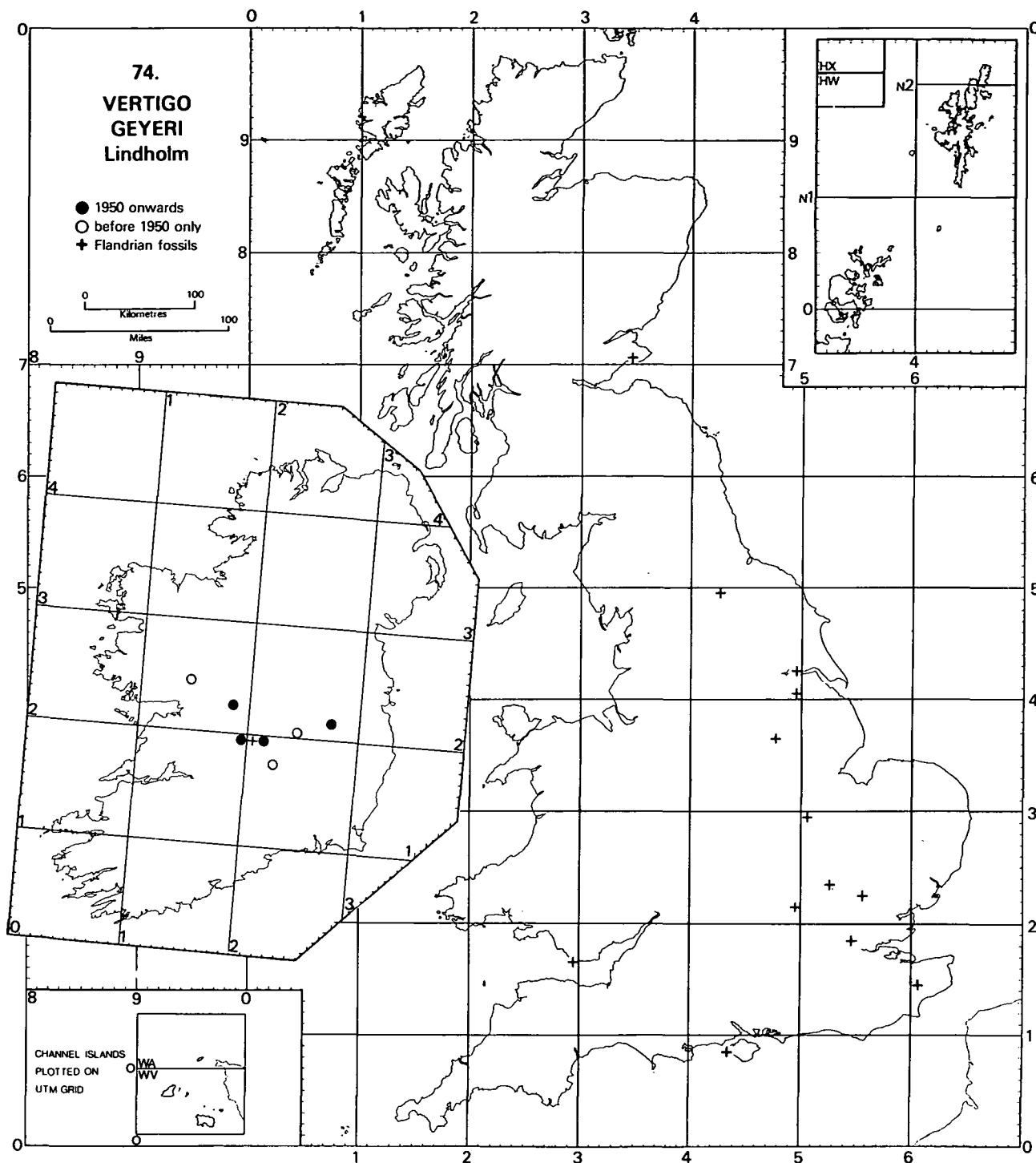
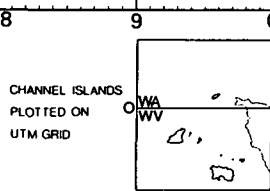
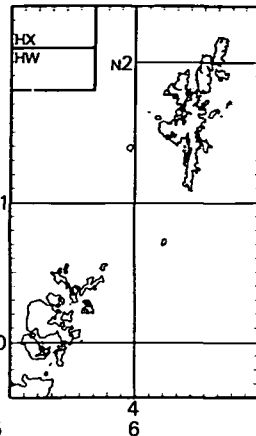
73.
VERTIGO
ALPESTRIS
 Alder

- 1950 onwards
- before 1950 only
- + Flandrian fossils



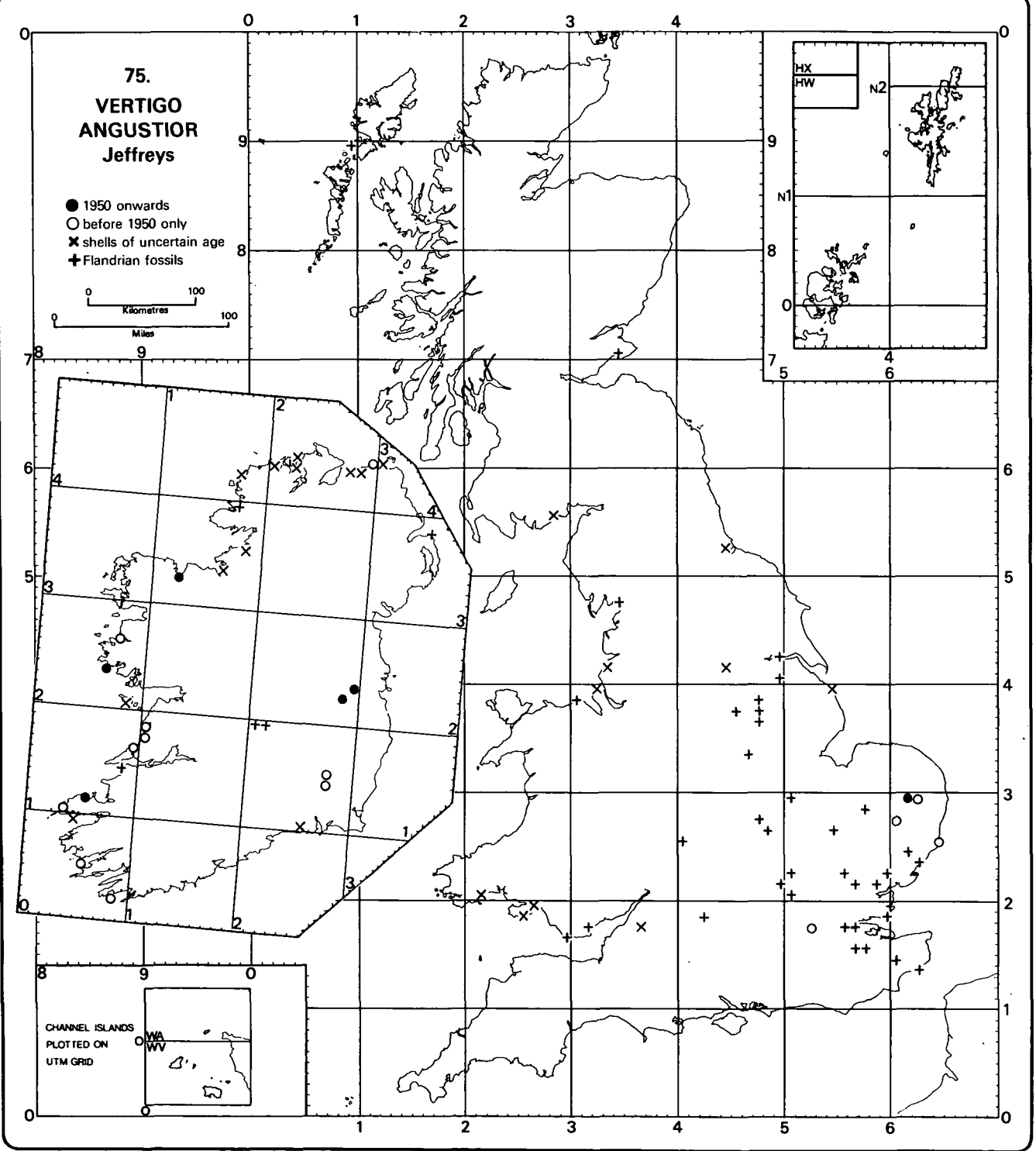
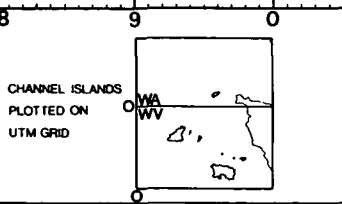
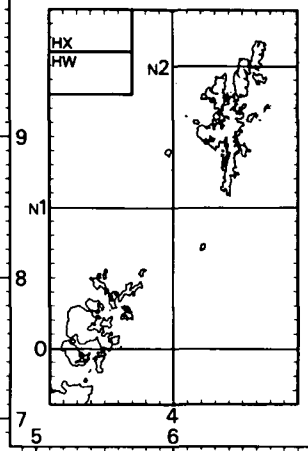
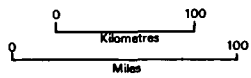
74.
VERTIGO
GEYERI
Lindholm

- 1950 onwards
- before 1950 only
- + Flandrian fossils



75.
VERTIGO
ANGUSTIOR
Jeffreys

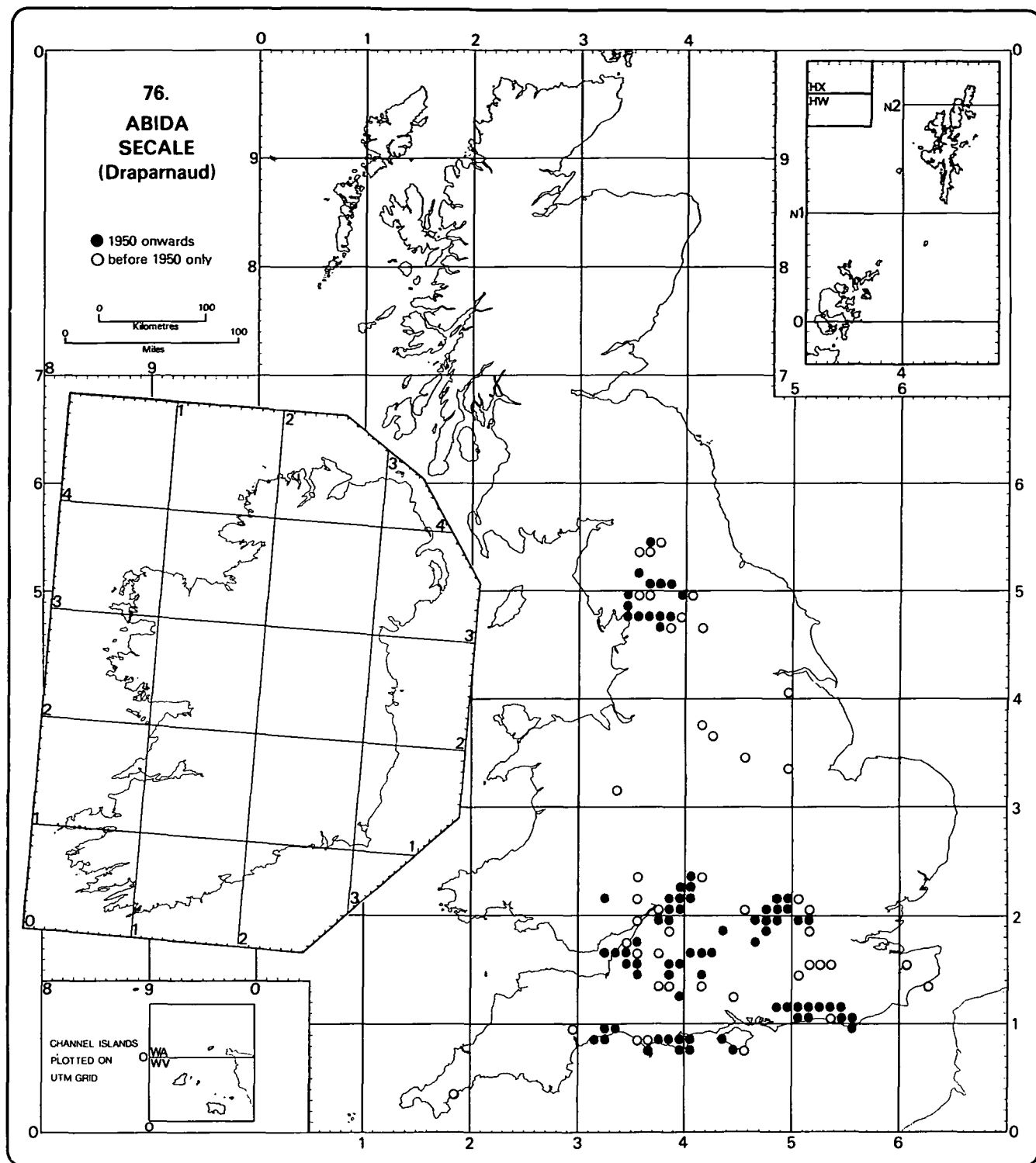
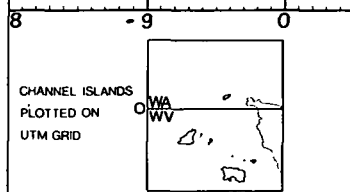
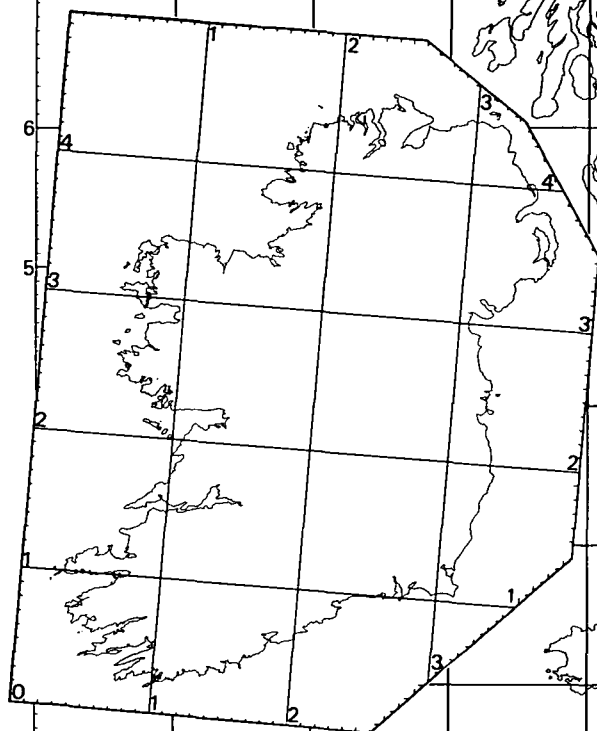
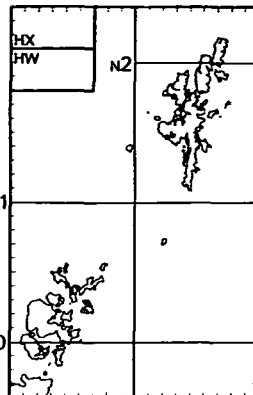
- 1950 onwards
- before 1950 only
- ✕ shells of uncertain age
- + Flandrian fossils



**76.
ABIDA
SECALE
(Draparnaud)**

● 1950 onwards
○ before 1950 only

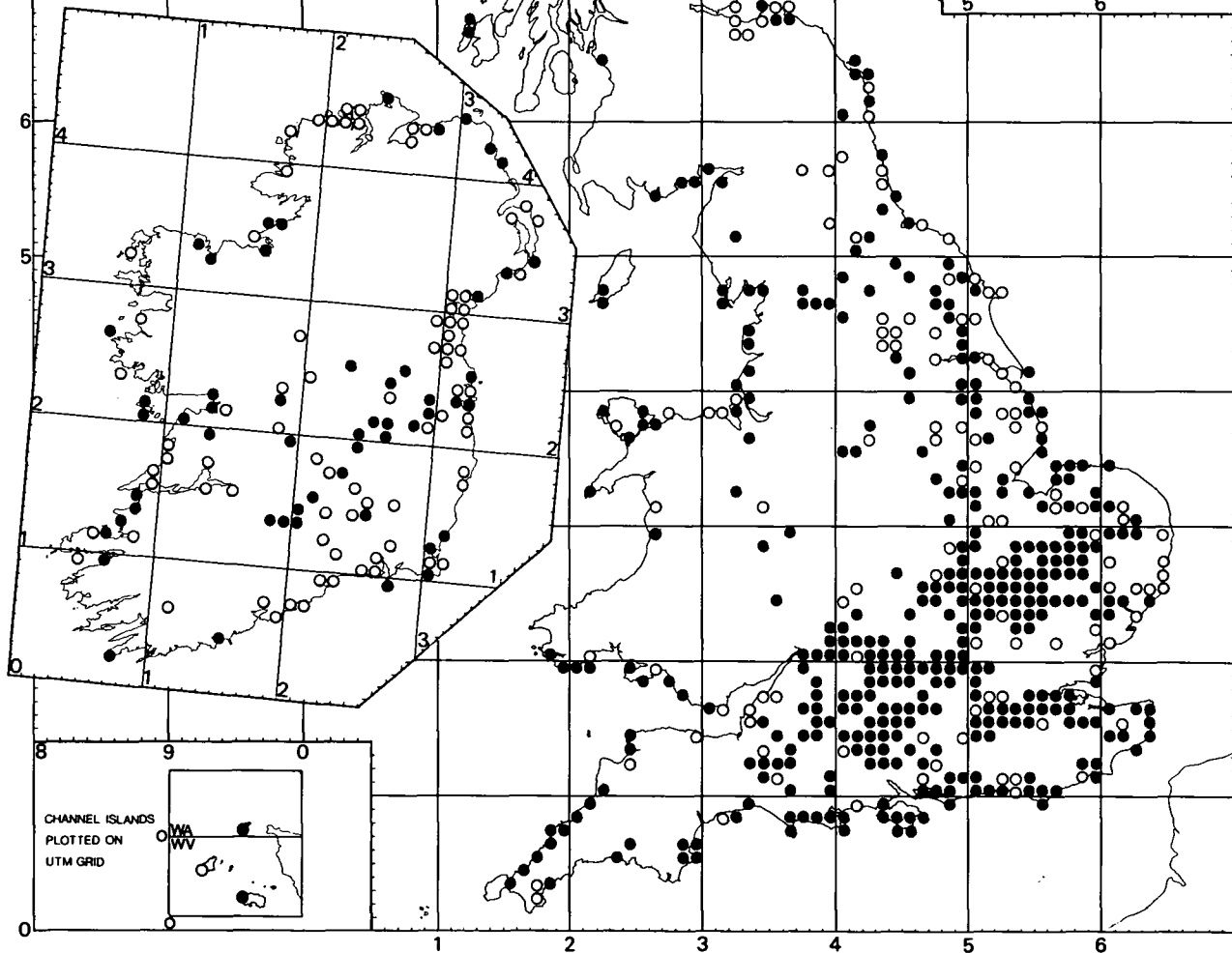
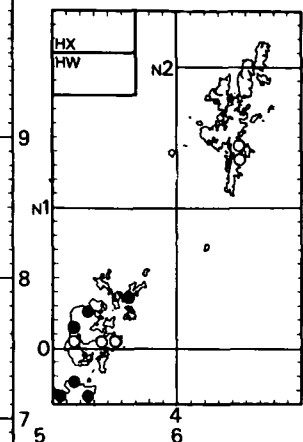
0 100
Kilometres
0 100
Miles



77.
PUPILLA
MUSCORUM
(L.)

● 1950 onwards
○ before 1950 only

0 100
Kilometres
0 100
Miles

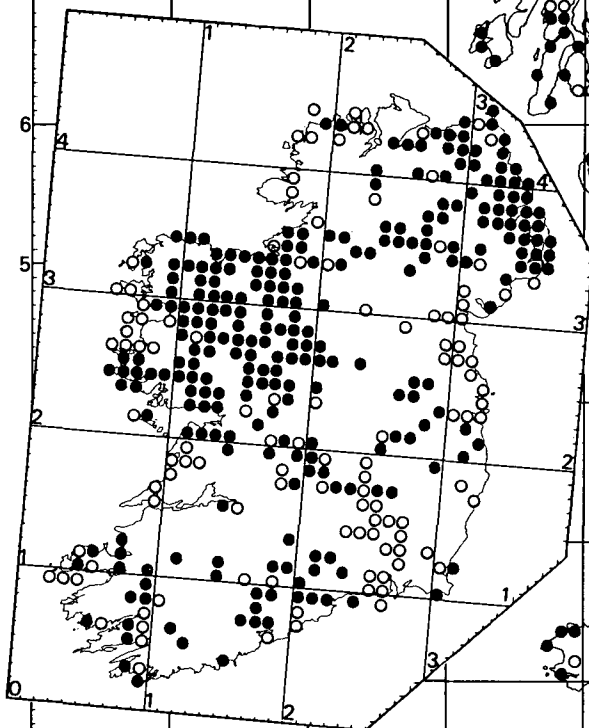
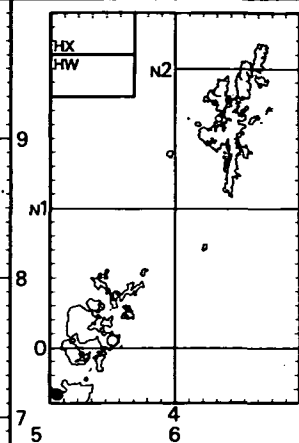


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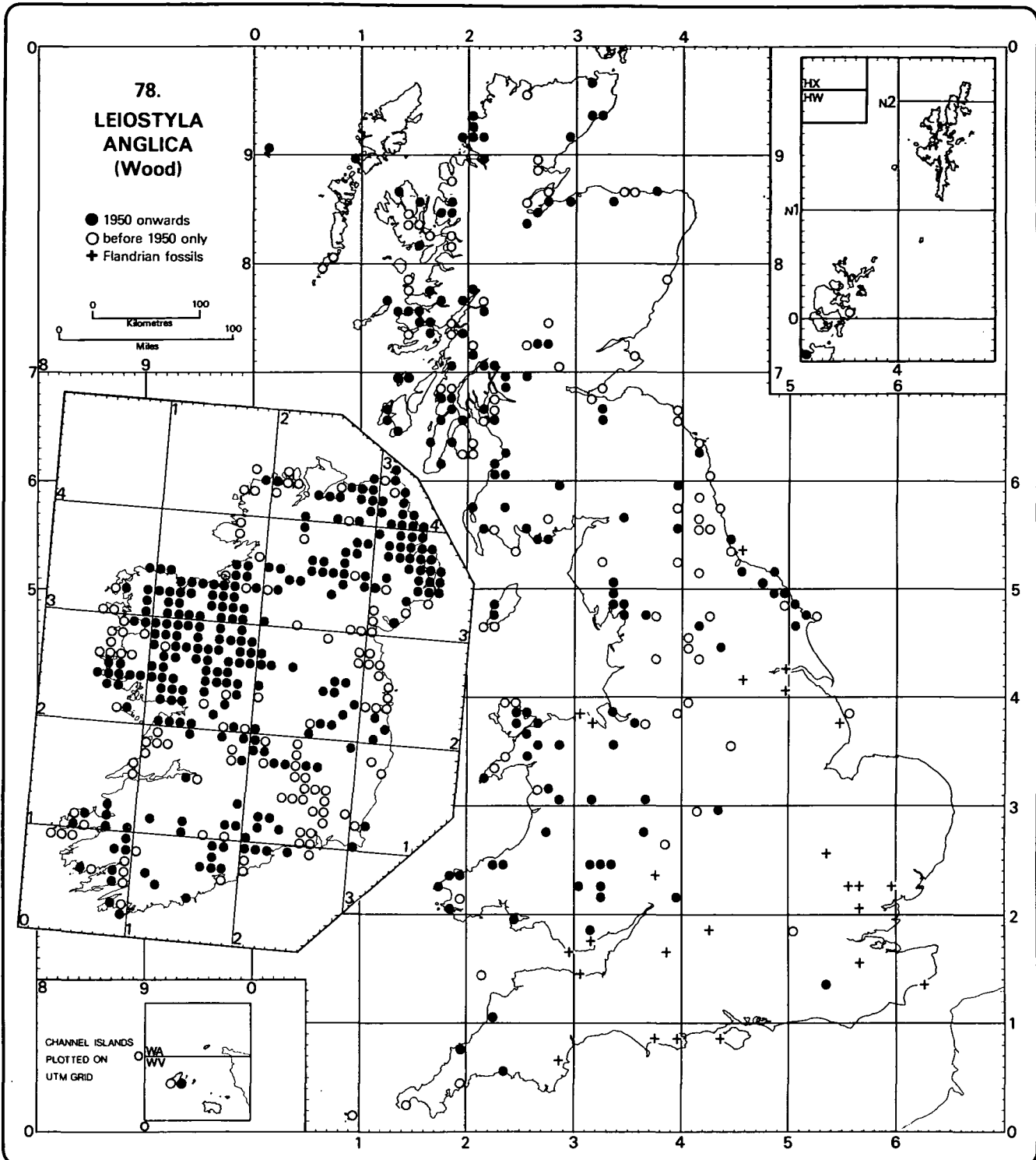
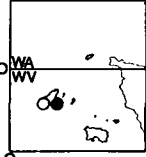
78.
LEIOSTYLA
ANGLICA
(Wood)

- 1950 onwards
- before 1950 only
- + Flandrian fossils

0 100
Kilometres
0 100
Miles



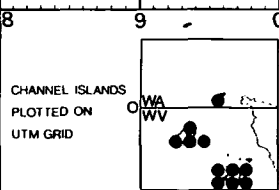
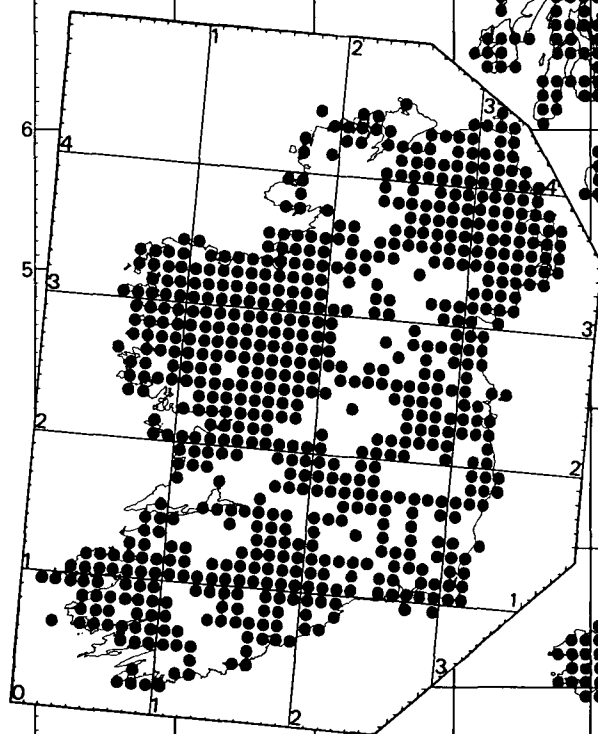
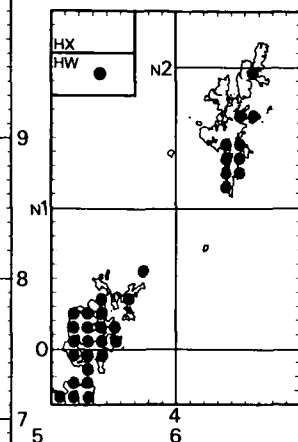
CHANNEL ISLANDS
PLOTTED ON
UTM GRID



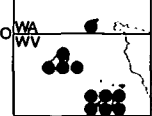
79.
LAURIA
CYLINDRACEA
(da Costa)

● all records

0 100
Kilometres
0 100
Miles



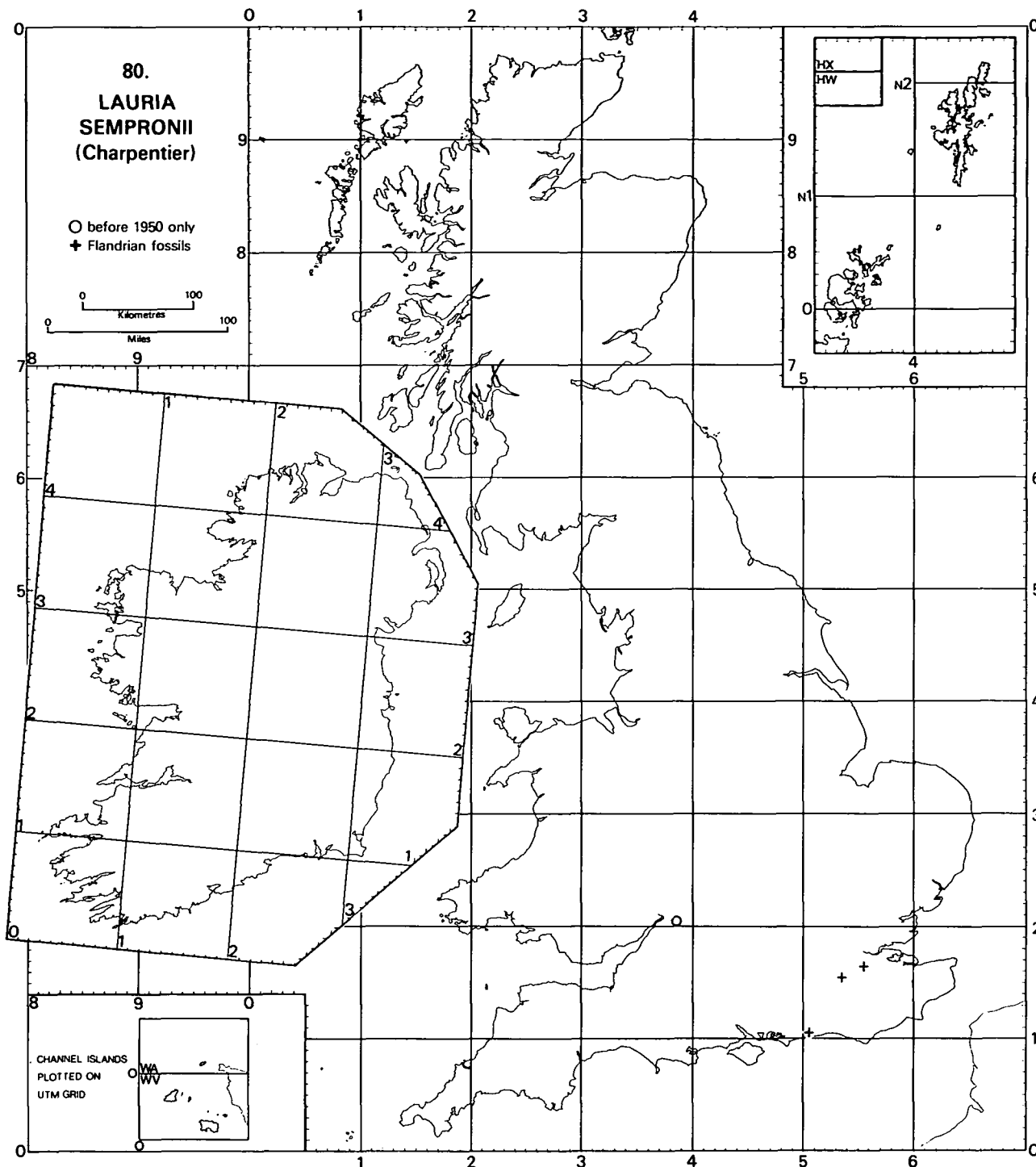
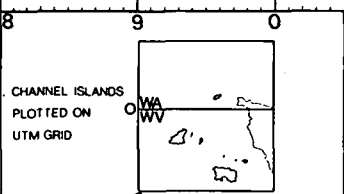
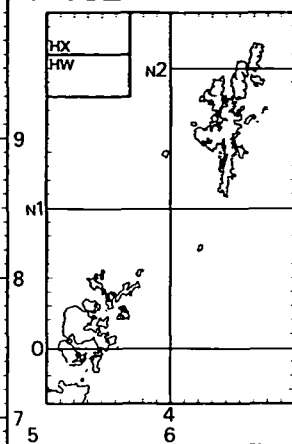
CHANNEL ISLANDS
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UTM GRID



80.
LAURIA
SEMPRONII
(Charpentier)

○ before 1950 only
+ Flandrian fossils

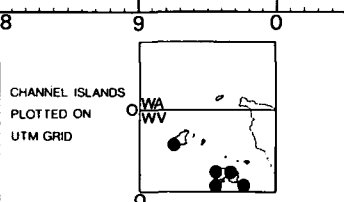
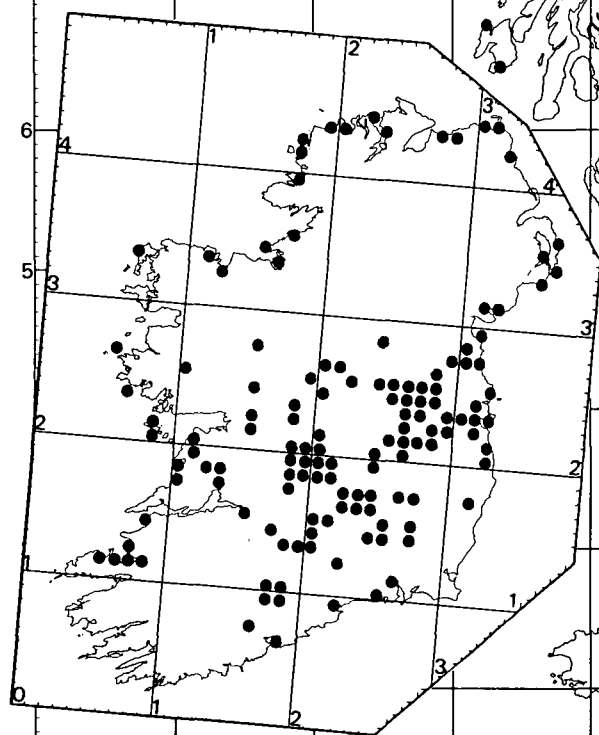
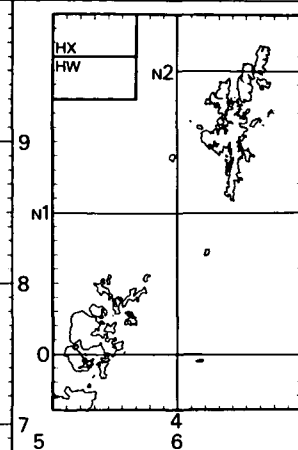
0 100
Kilometres
0 100
Miles



81.
VALLONIA
COSTATA
(Müller)

● all records

0 100
Kilometres
0 100
Miles

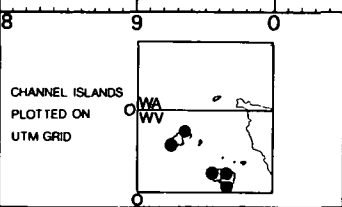
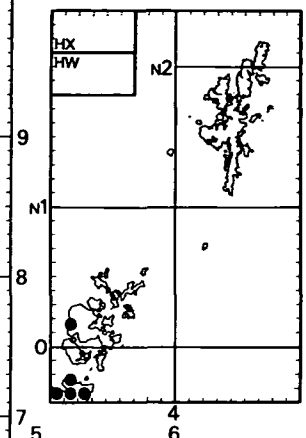


CHANNEL ISLANDS
PLOTTED ON
UTM GRID

82.
VALLONIA
PULCHELLA
(Müller) agg.

● all records

0 100
Kilometres
0 100
Miles

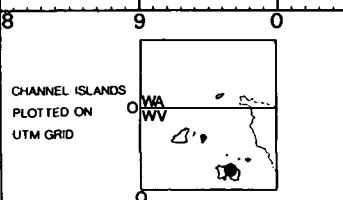
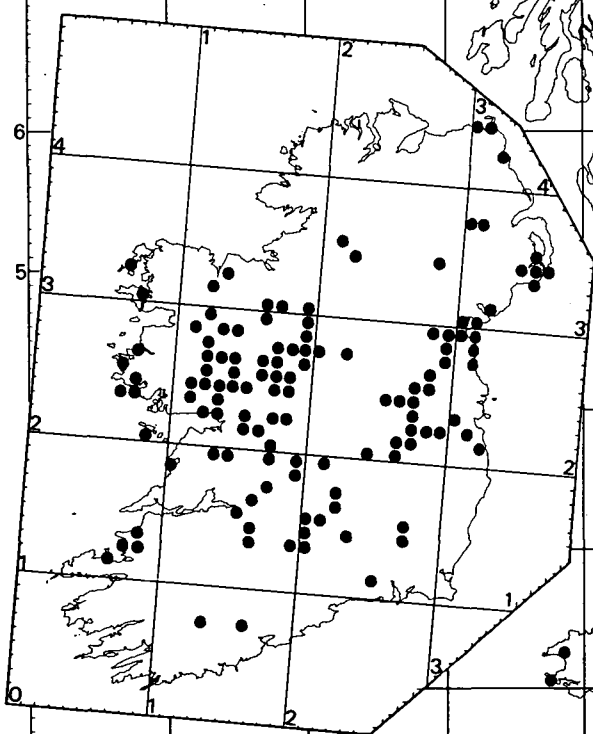
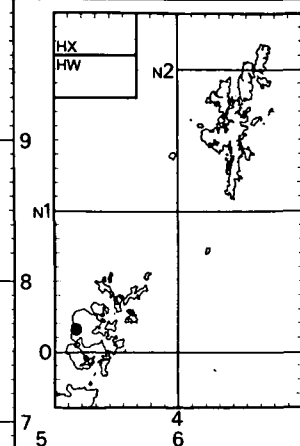


CHANNEL ISLANDS
PLOTTED ON
UTM GRID

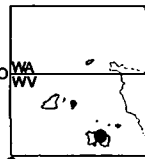
83.
VALLONIA
PULCHELLA
(Müller), seg.

● all records

0 100
Kilometres
0 100
Miles



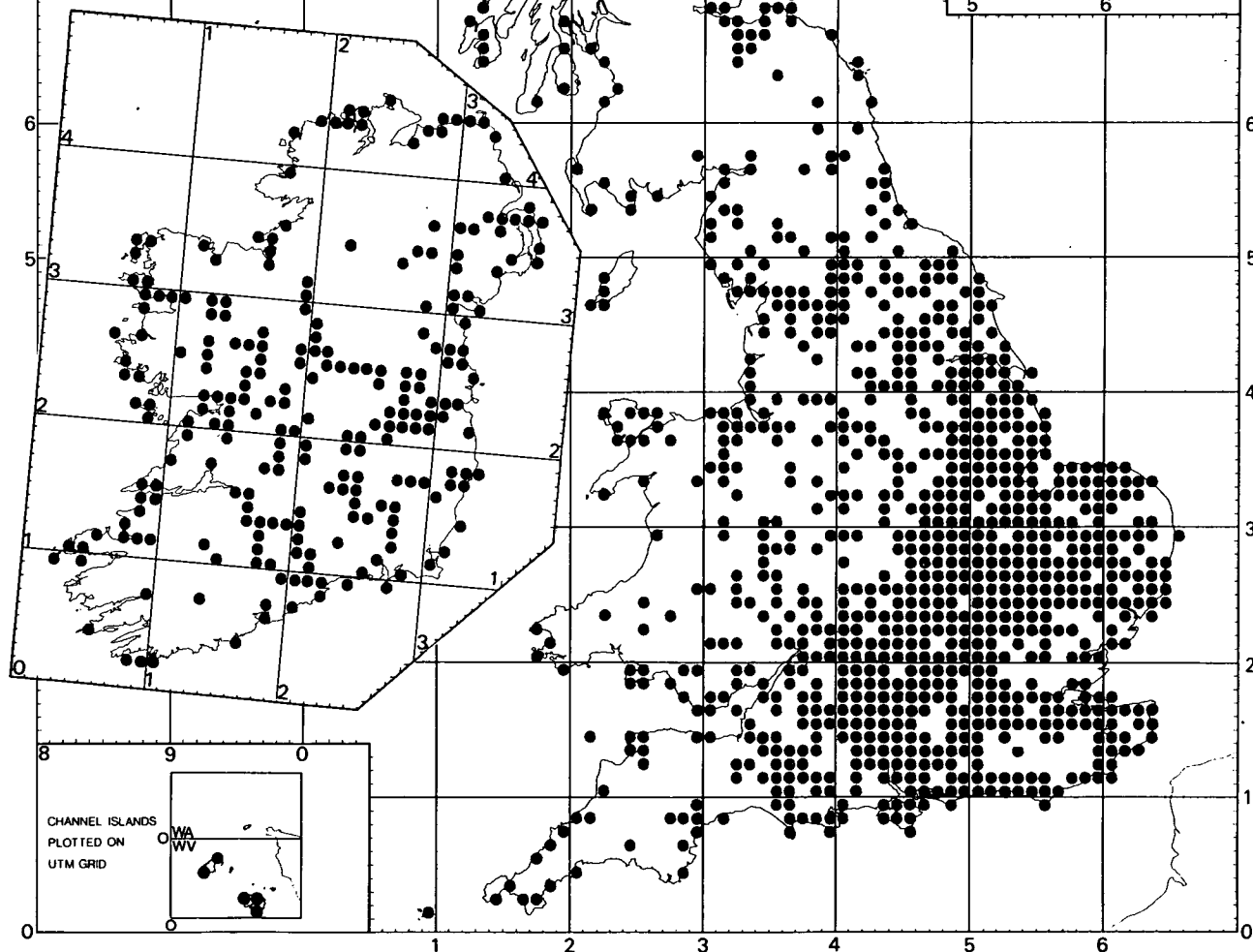
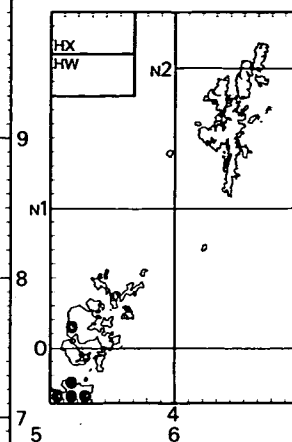
CHANNEL ISLANDS
PLOTTED ON
UTM GRID



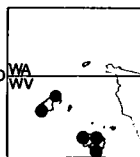
84.
VALLONIA
EXCENTRICA
Sterki

● all records

0 100
Kilometres
0 100
Miles



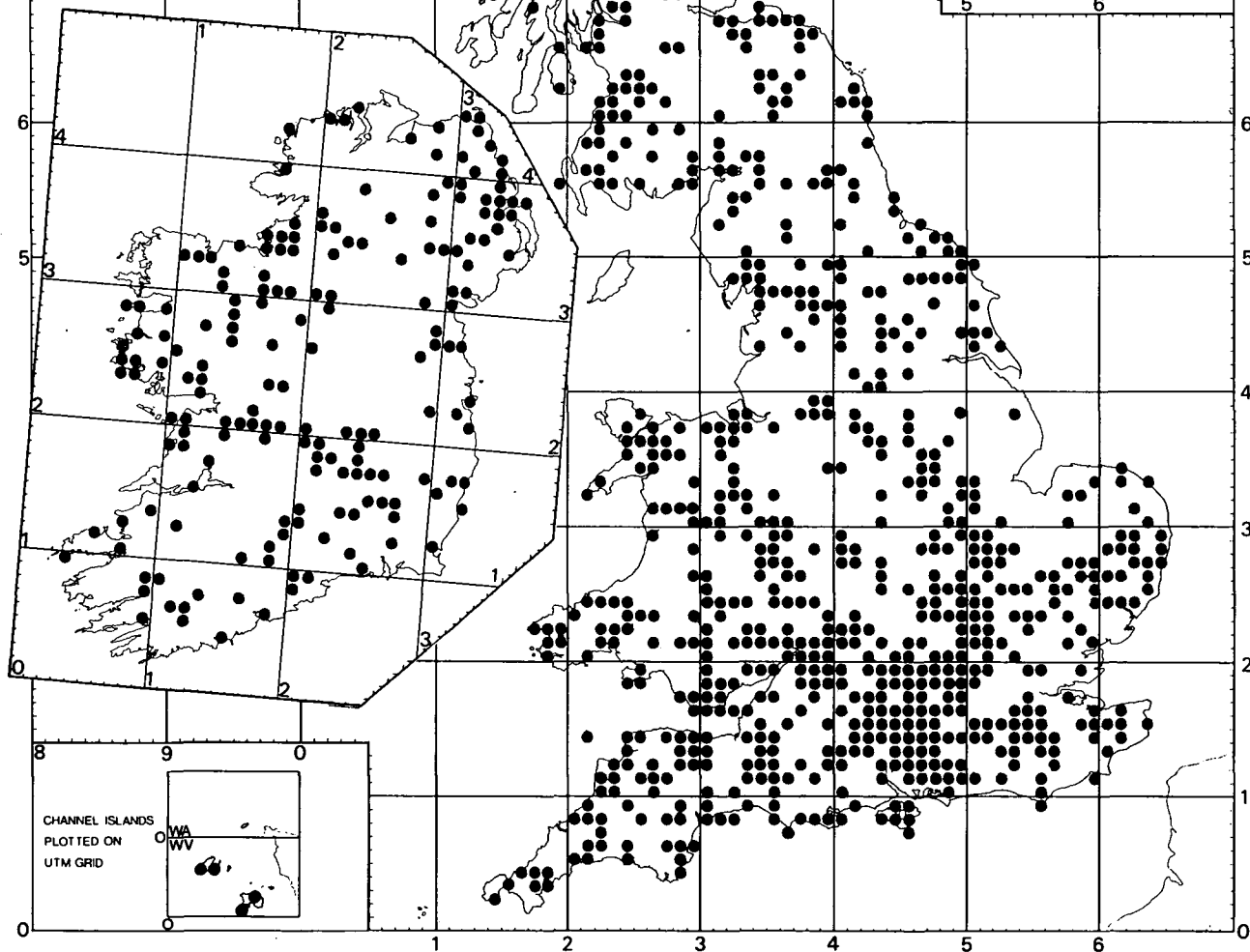
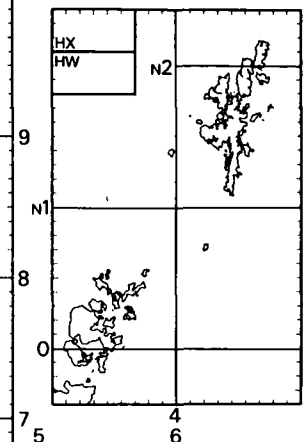
CHANNEL ISLANDS
PLOTTED ON
UTM GRID



85.
ACANTHINULA
ACULEATA
(Müller)

● all records

0 100
Kilometres
0 100
Miles

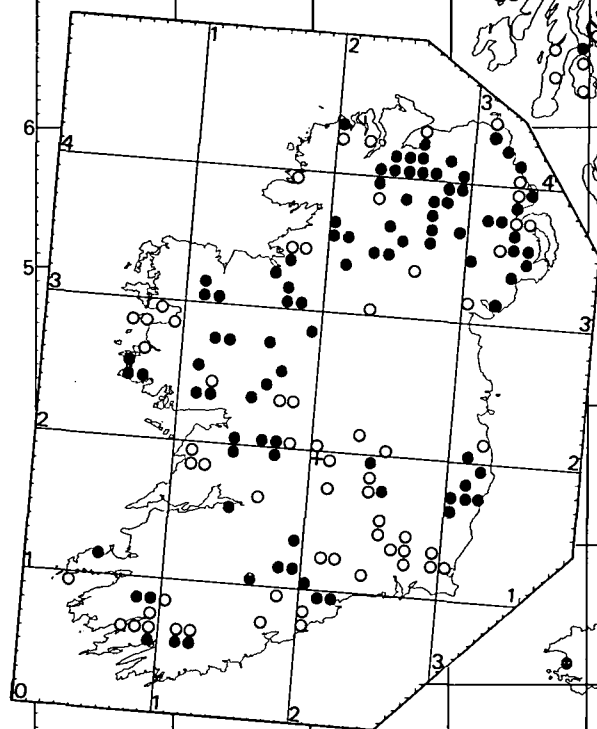
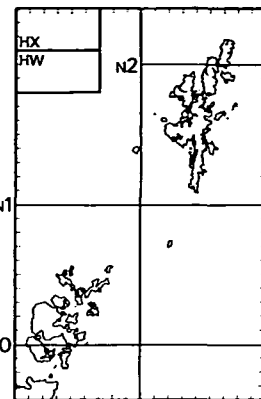


CHANNEL ISLANDS
PLOTED ON
UTM GRID

86.
SPERMODEA
LAMELLATA
(Jeffreys)

- 1950 onwards
- before 1950 only
- + Flandrian fossils

0 100
Kilometres
0 100
Miles

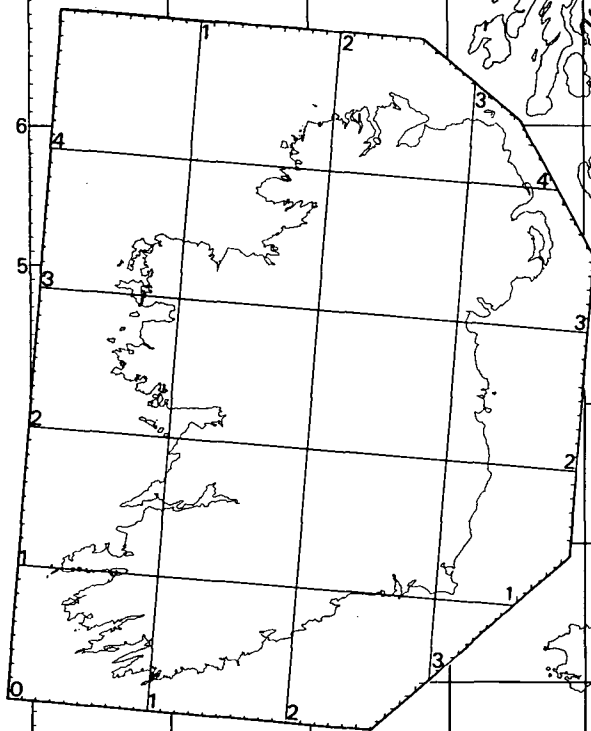
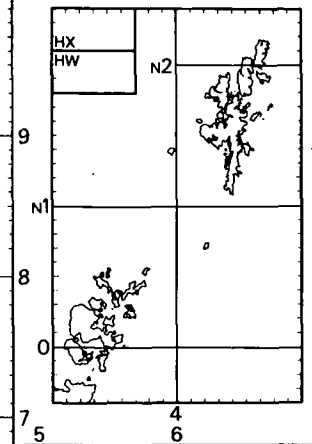
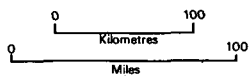


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UTM GRID

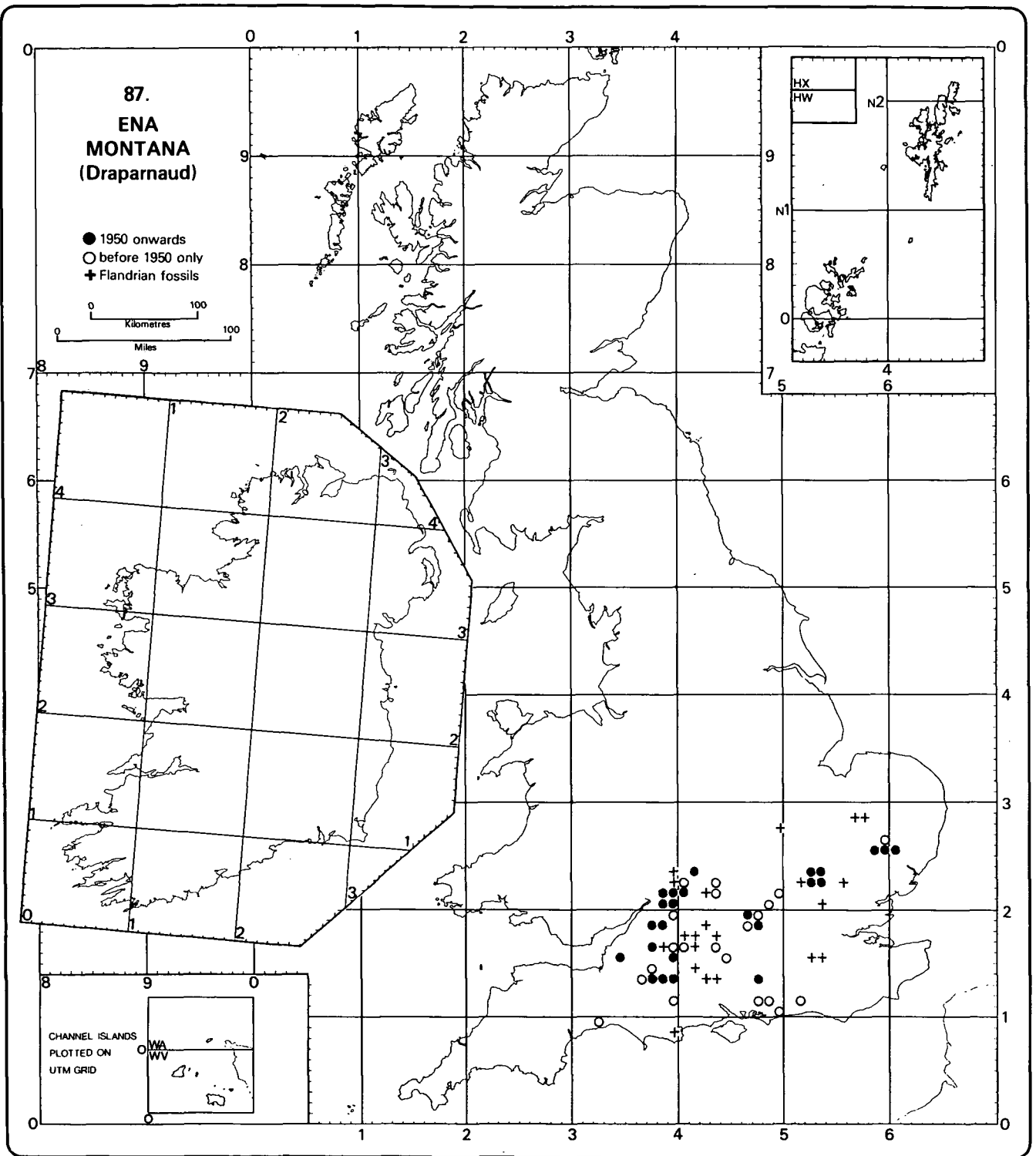
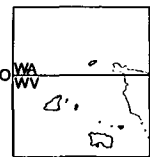


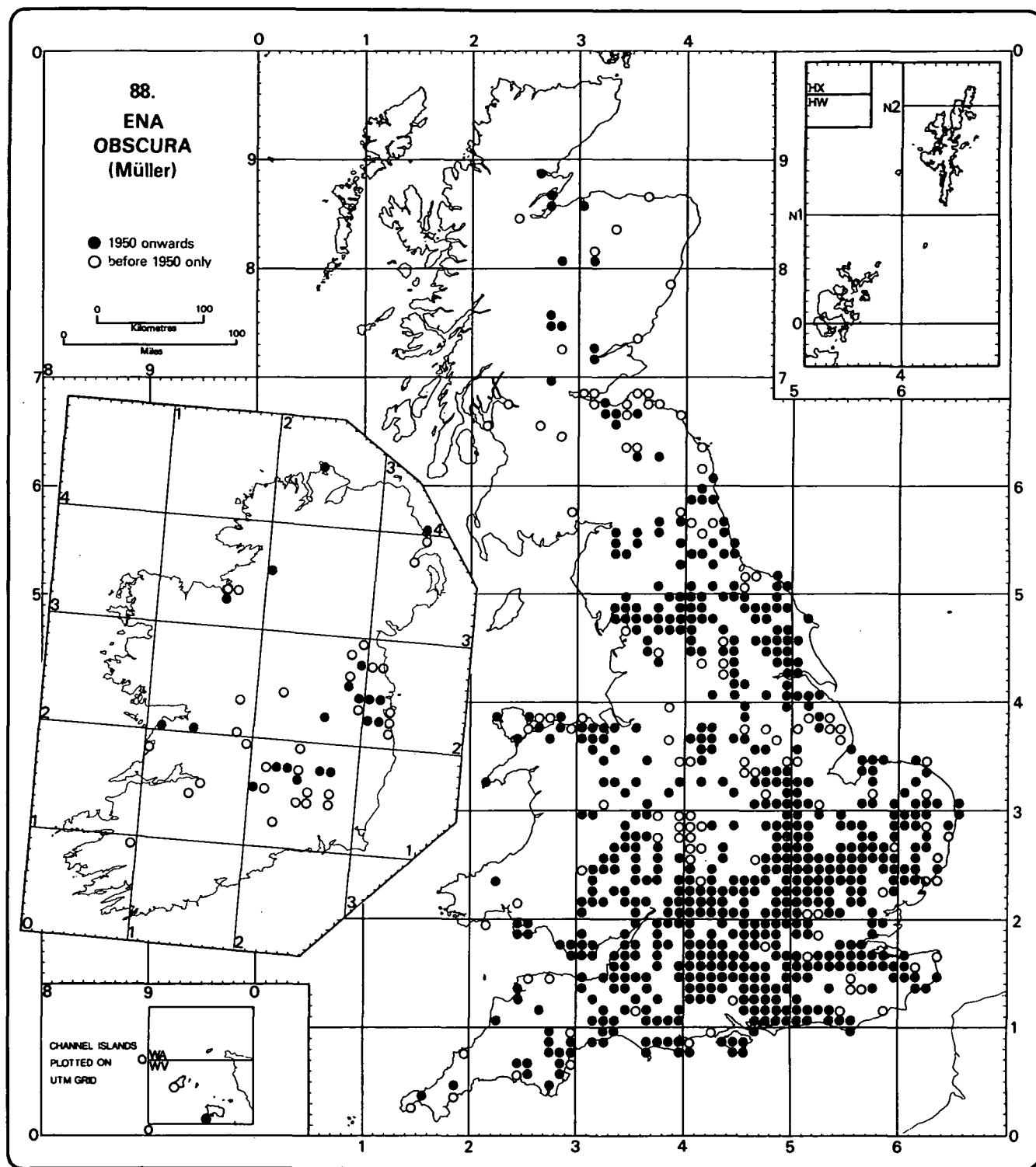
87.
ENA
MONTANA
(Draparnaud)

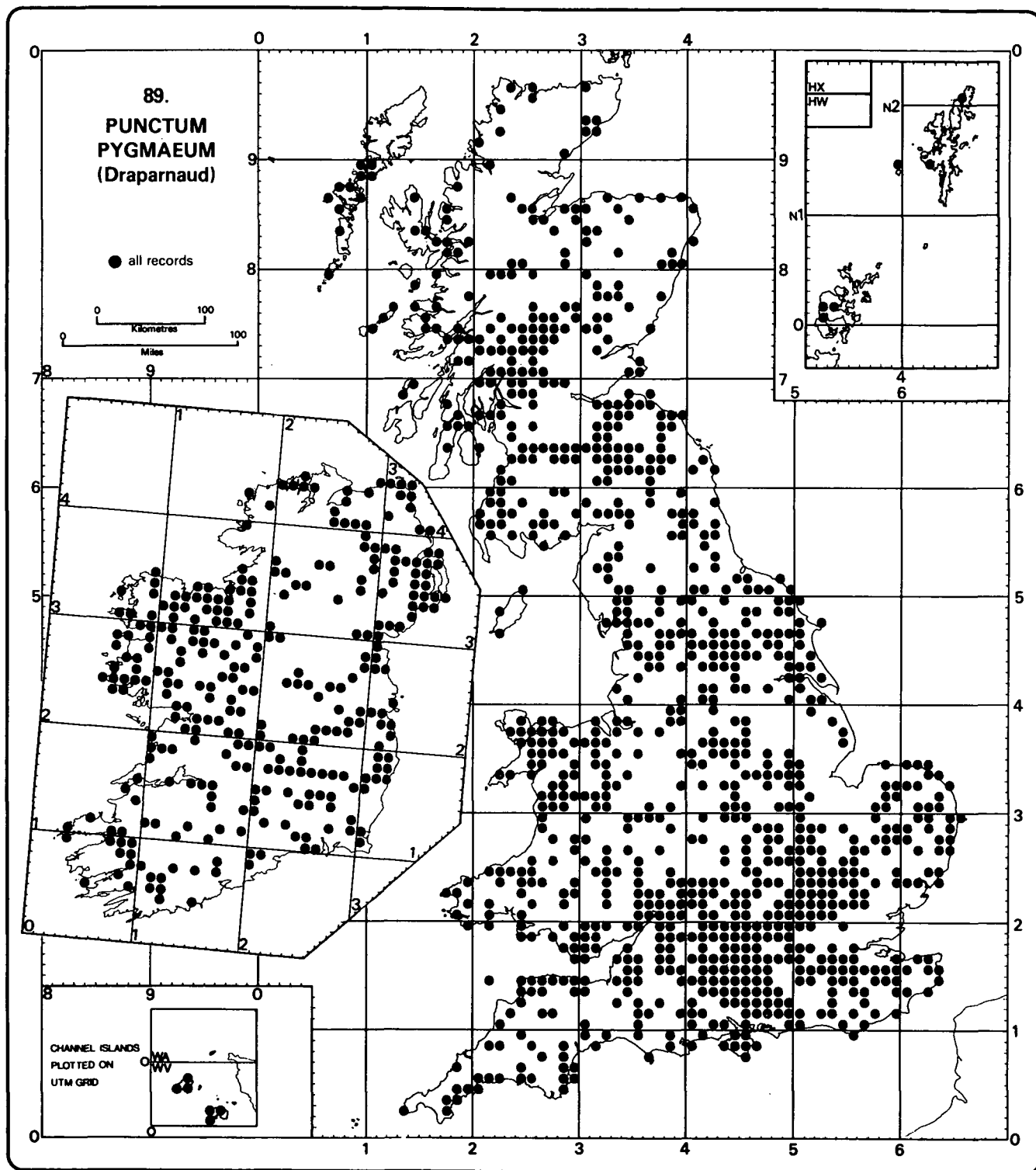
- 1950 onwards
- before 1950 only
- + Flandrian fossils



CHANNEL ISLANDS
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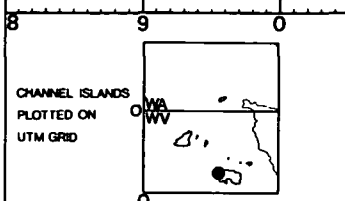
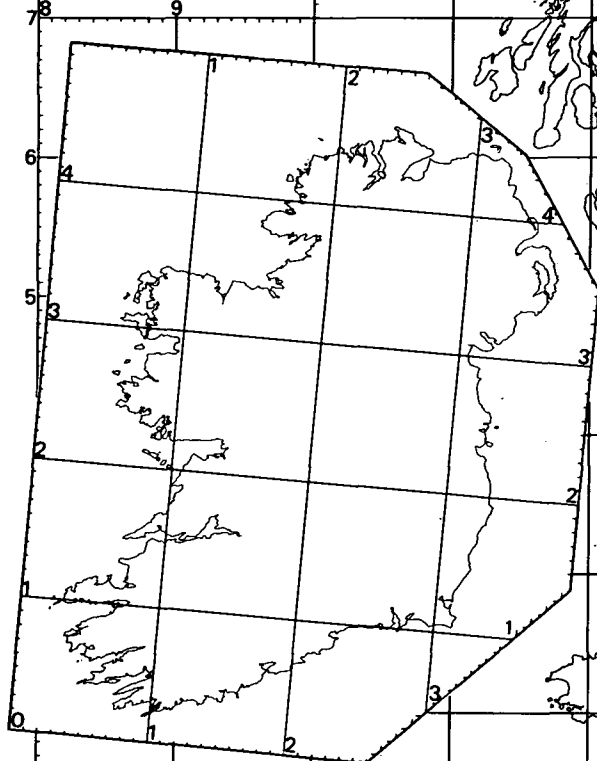
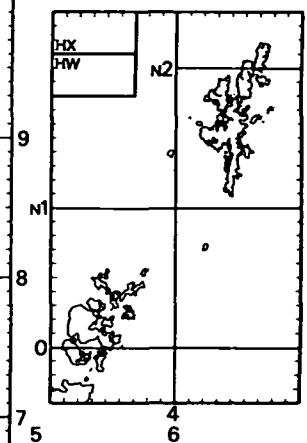




90.
HELICODISCUS
SINGLEYANUS
INERMIS
 Baker

● all records

0 100
 Kilometres
 0 100
 Miles

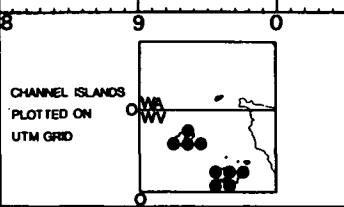
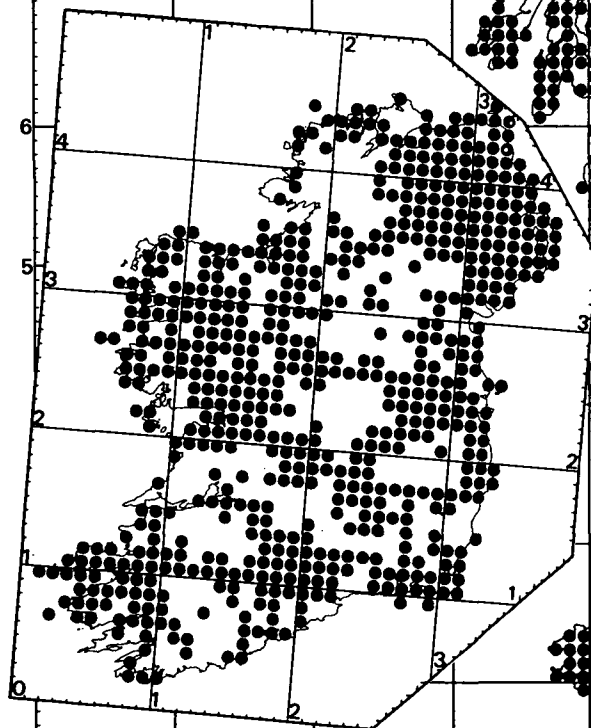
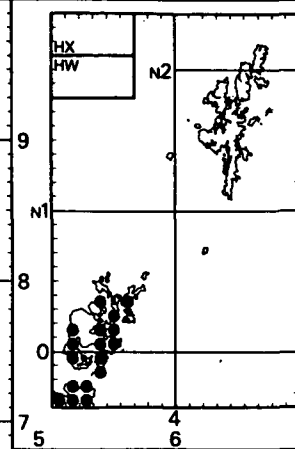


CHANNEL ISLANDS
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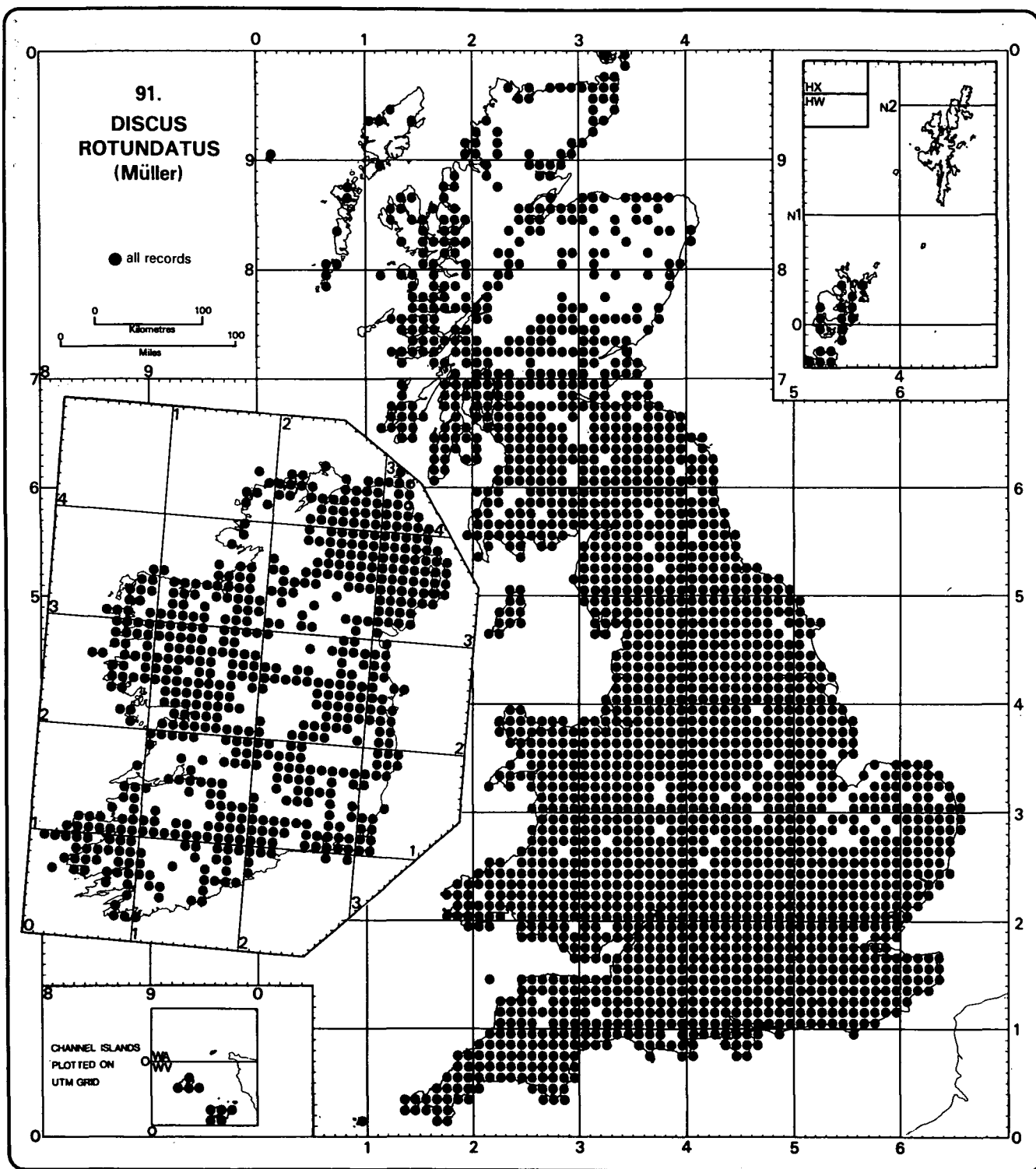
91.
DISCUS
ROTUNDATUS
(Müller)

● all records

0 100
Kilometres
0 100
Miles



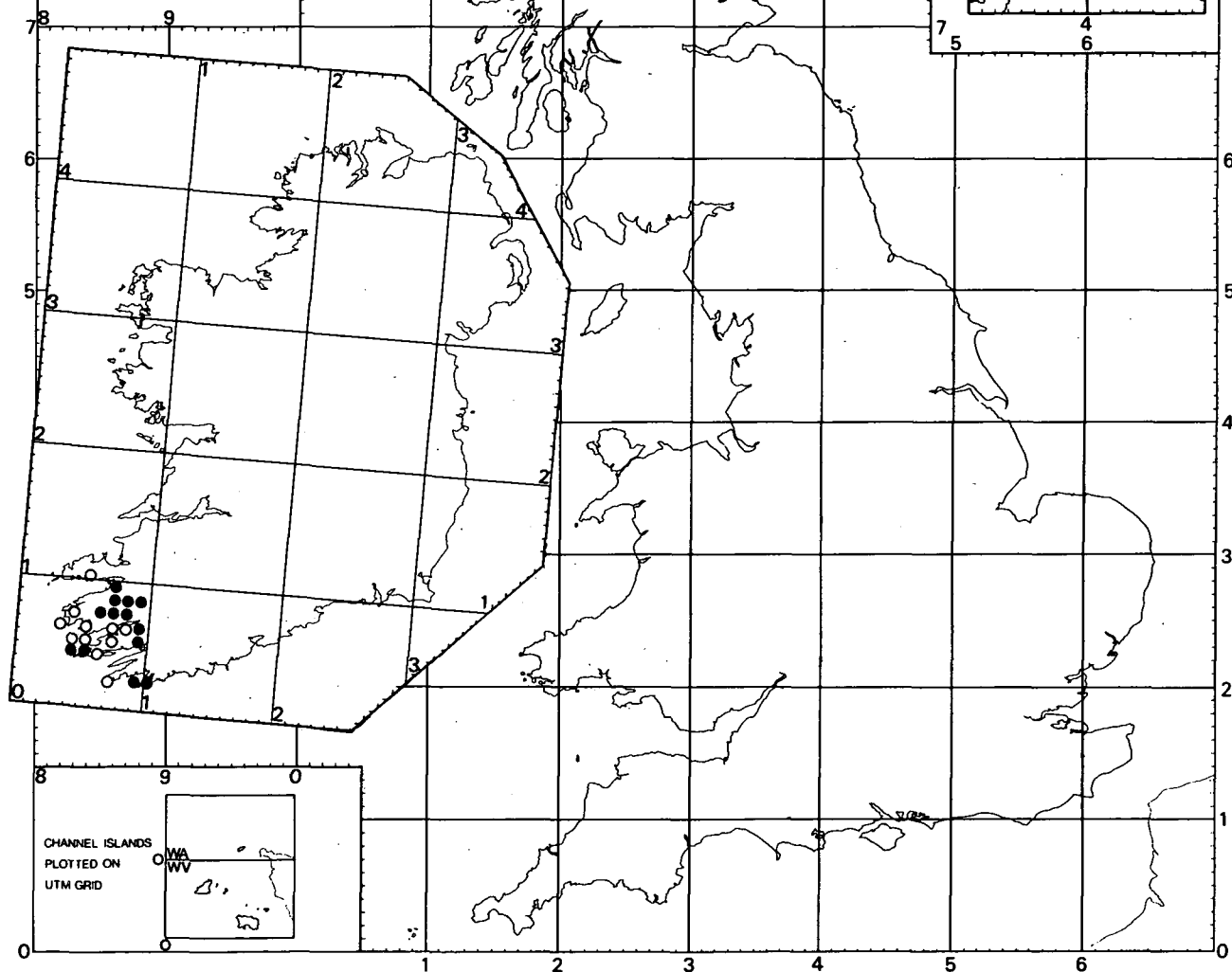
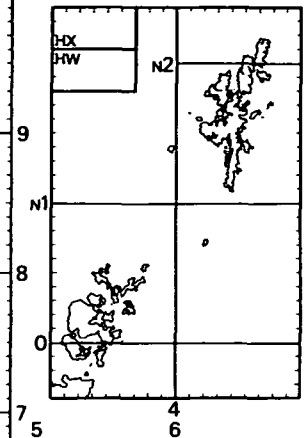
CHANNEL ISLANDS
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UTM GRID



92.
**GEOMALACUS
MACULOSUS**
Allman

- 1950 onwards
- before 1950 only

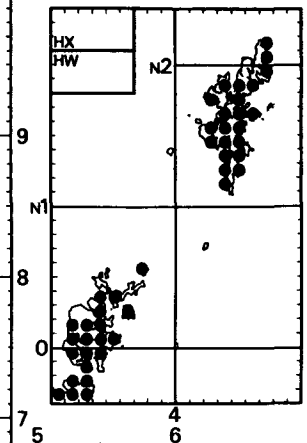
0 100
Kilometres
0 100
Miles



93.
ARION
ATER (L.), agg.

● all records

0 100
Kilometres
0 100
Miles

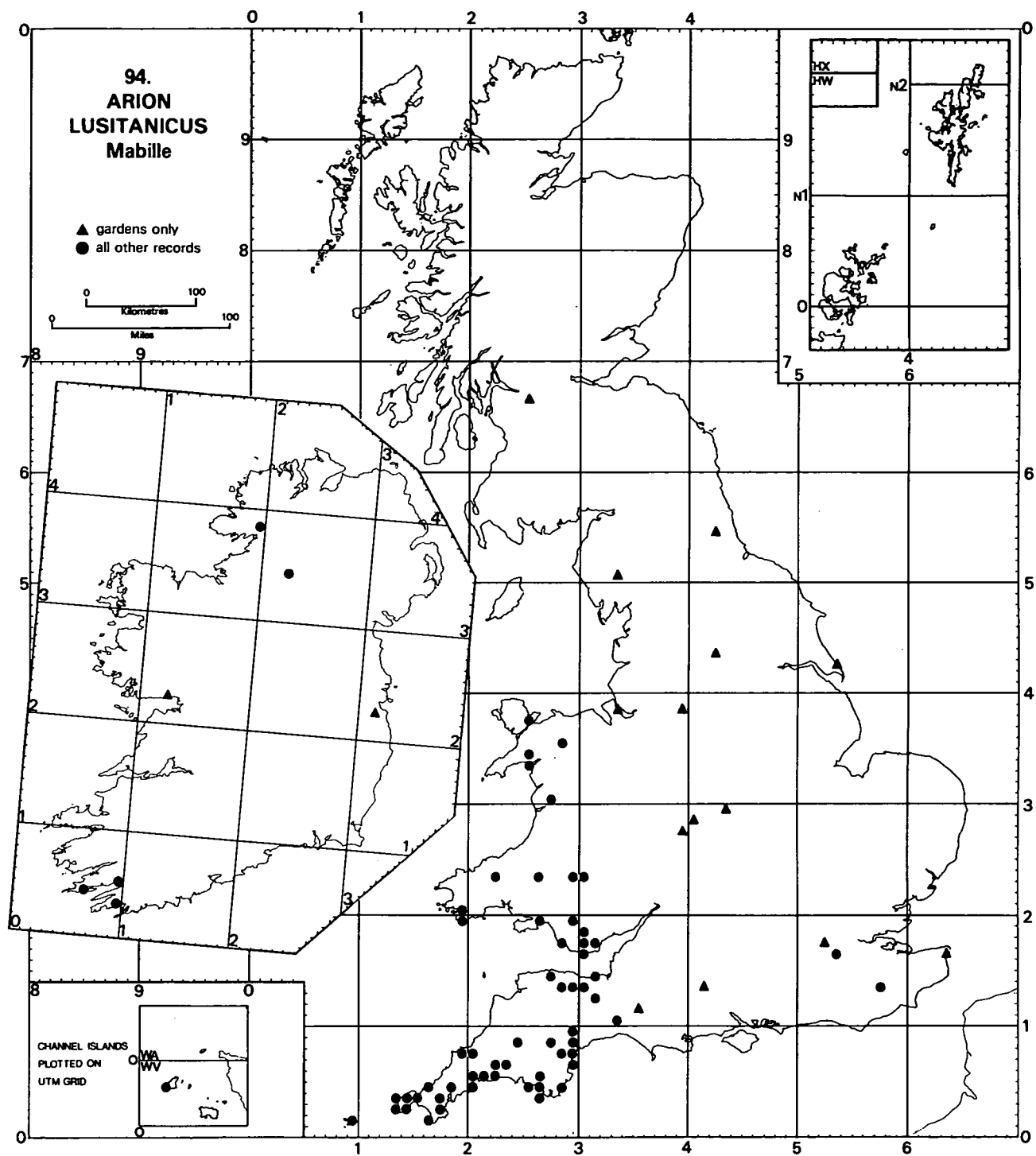
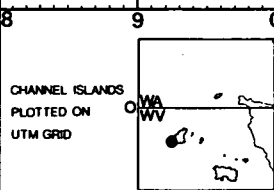
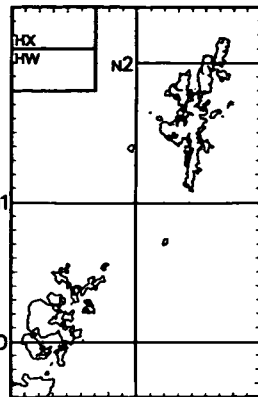


CHANNEL ISLANDS
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94.
ARION
LUSITANICUS
Mabile

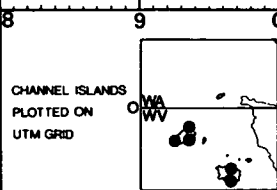
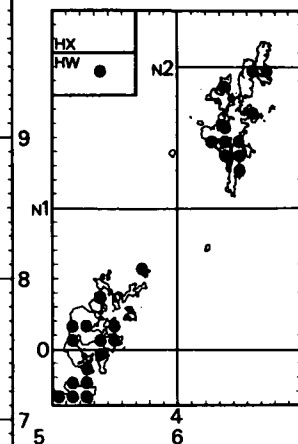
- ▲ gardens only
- all other records



95.
ARION
SUBFUSCUS
(Draparnaud)

● all records

0 100
Kilometres
0 100
Miles

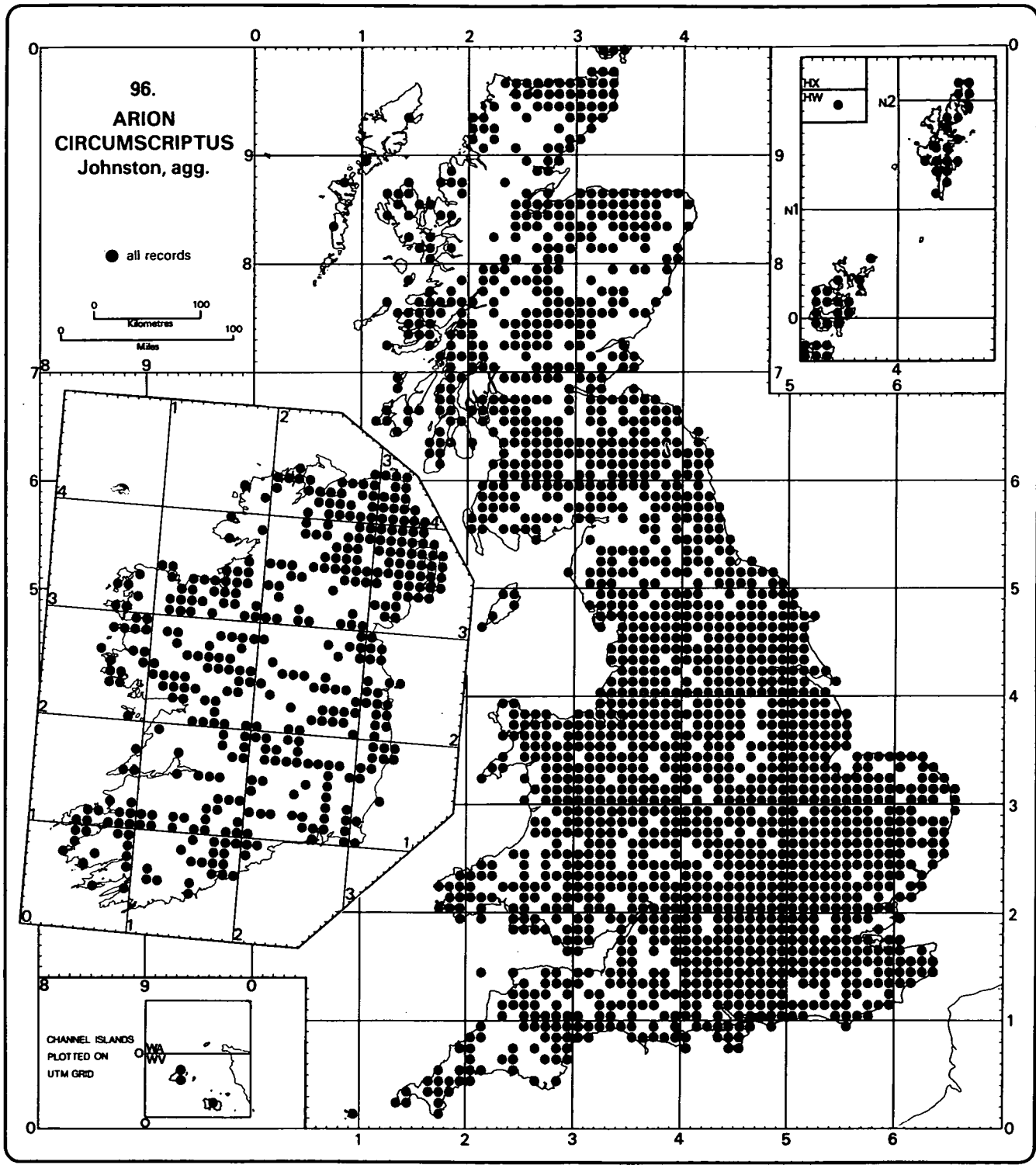
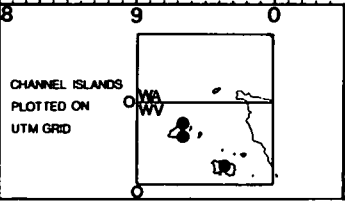
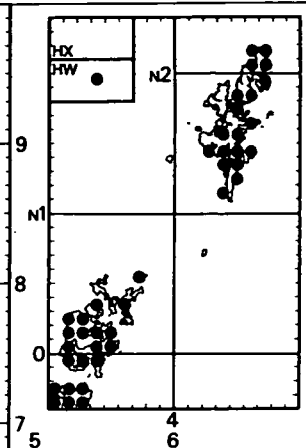


CHANNEL ISLANDS
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96.
ARION
CIRCUMSCRIPTUS
Johnston, agg.

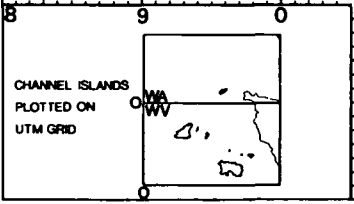
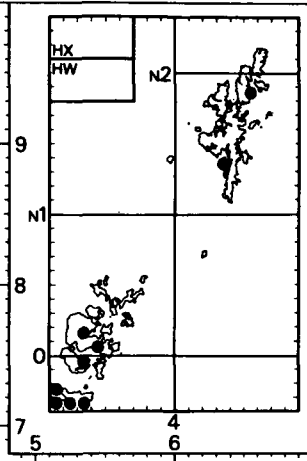
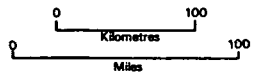
● all records

0 100
Kilometres
0 100
Miles



97.
ARION
CUMSCRIPTUS
Johnston, seg.

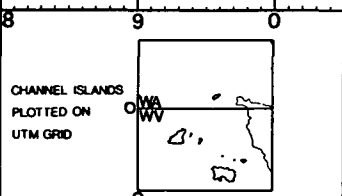
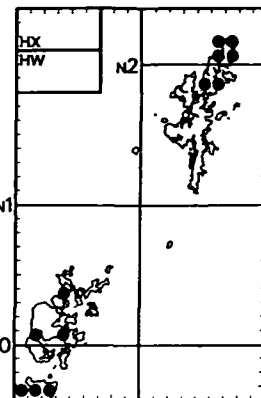
● all records



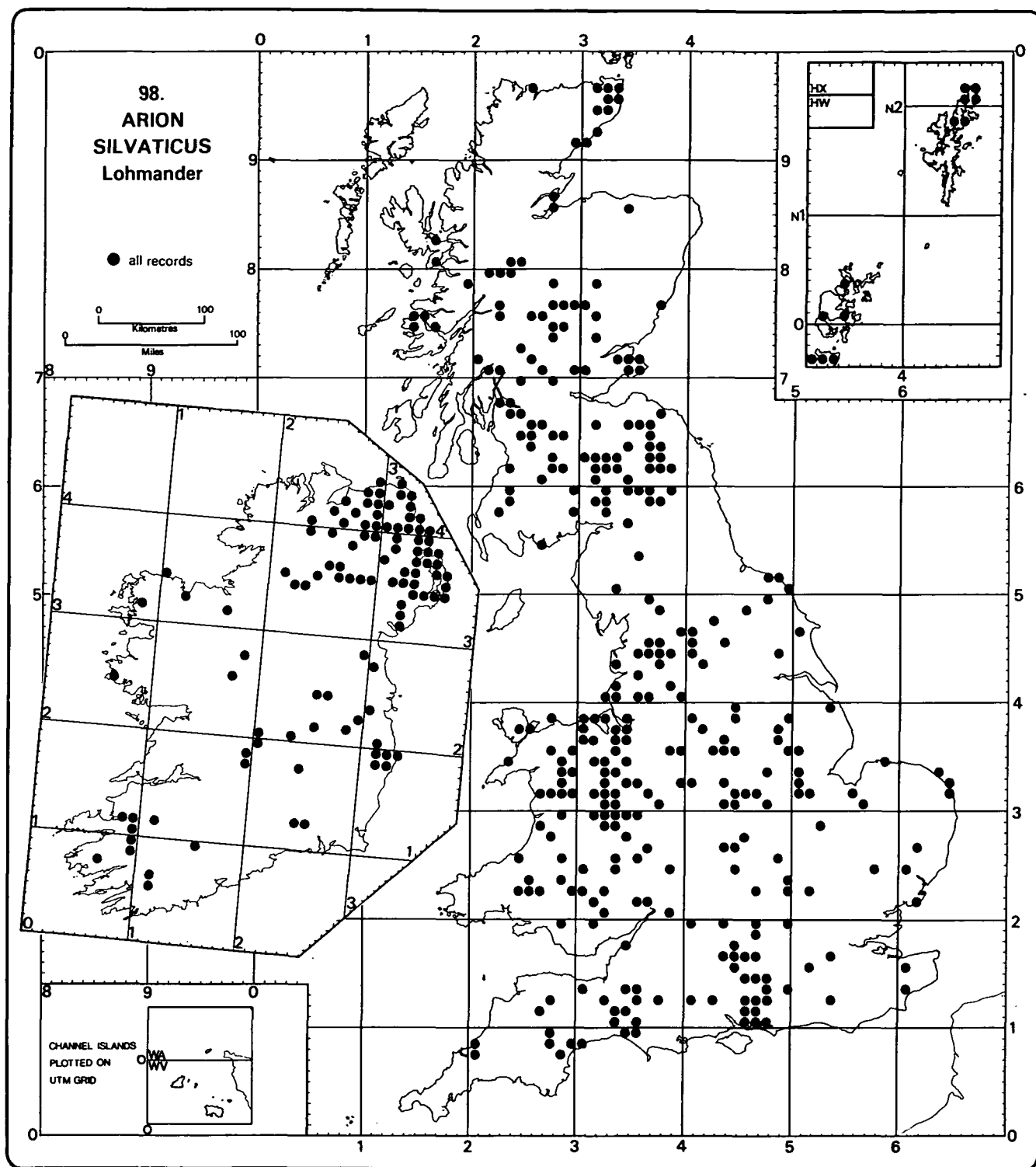
98.
ARION
SILVATICUS
Lohmander

● all records

0 100
Kilometres
0 100
Miles



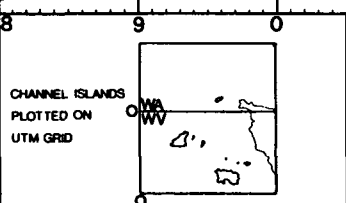
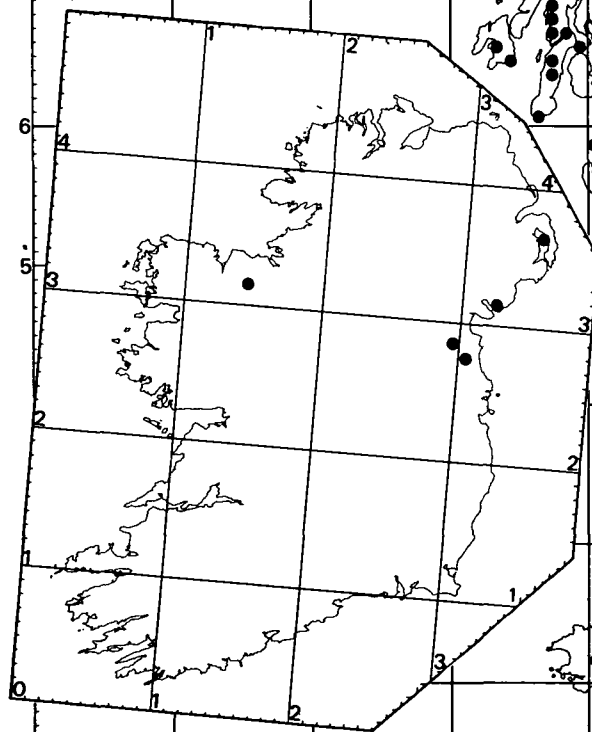
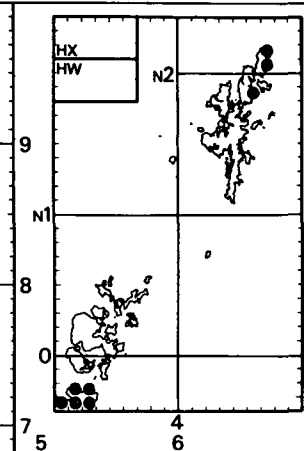
CHANNEL ISLANDS
PLOTTED ON
UTM GRID



99.
ARION
FASCIATUS
(Nilsson)

● all records

0 100
Kilometres
0 100
Miles

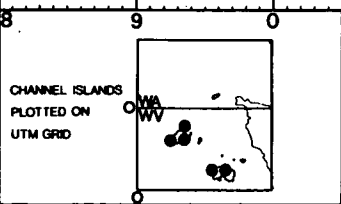
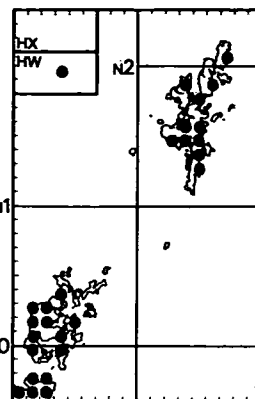


CHANNEL ISLANDS
PLOTTED ON
UTM GRID

100.
ARION
HORTENSIS
Férussac, agg.

● all records

0 100
Kilometres
0 100
Miles

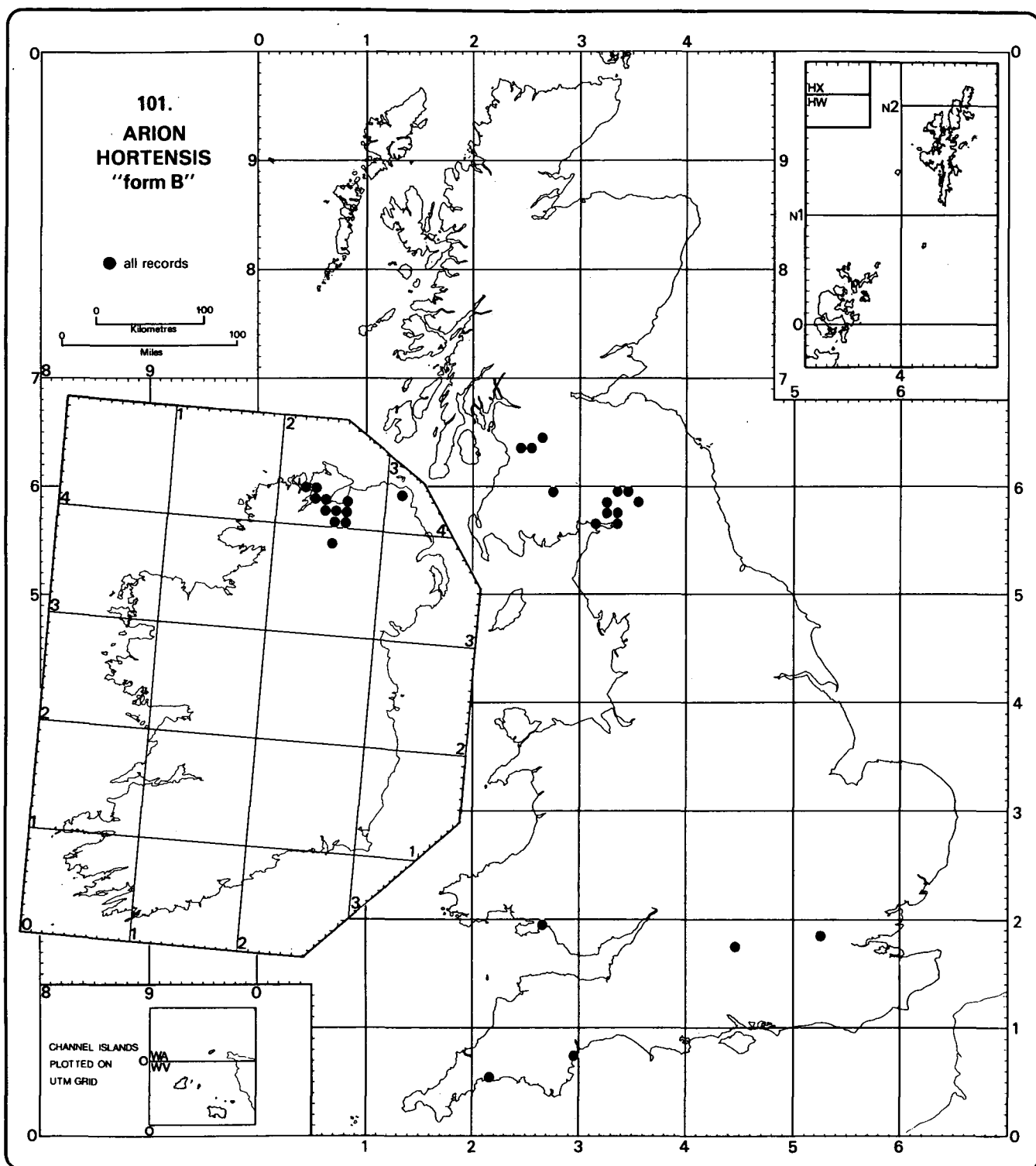
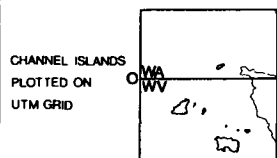
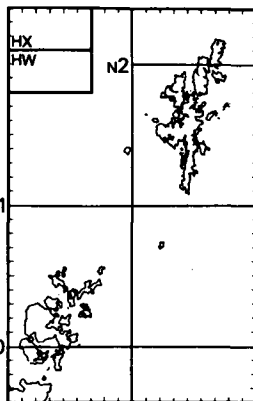


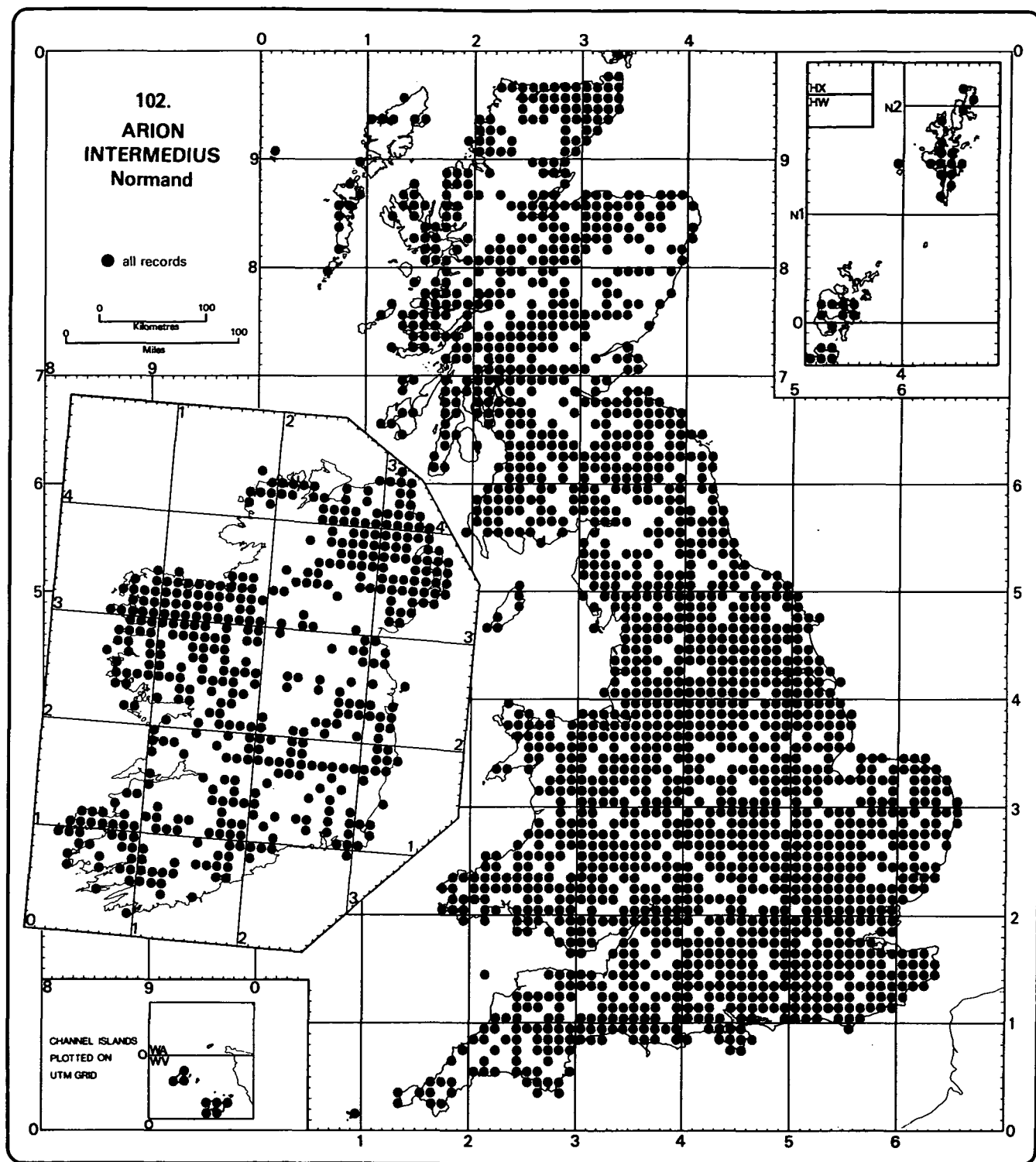
CHANNEL ISLANDS
PLOTTED ON
UTM GRID

101.
ARION
HORTENSIS
"form B"

● all records

0 100
Kilometres
0 100
Miles

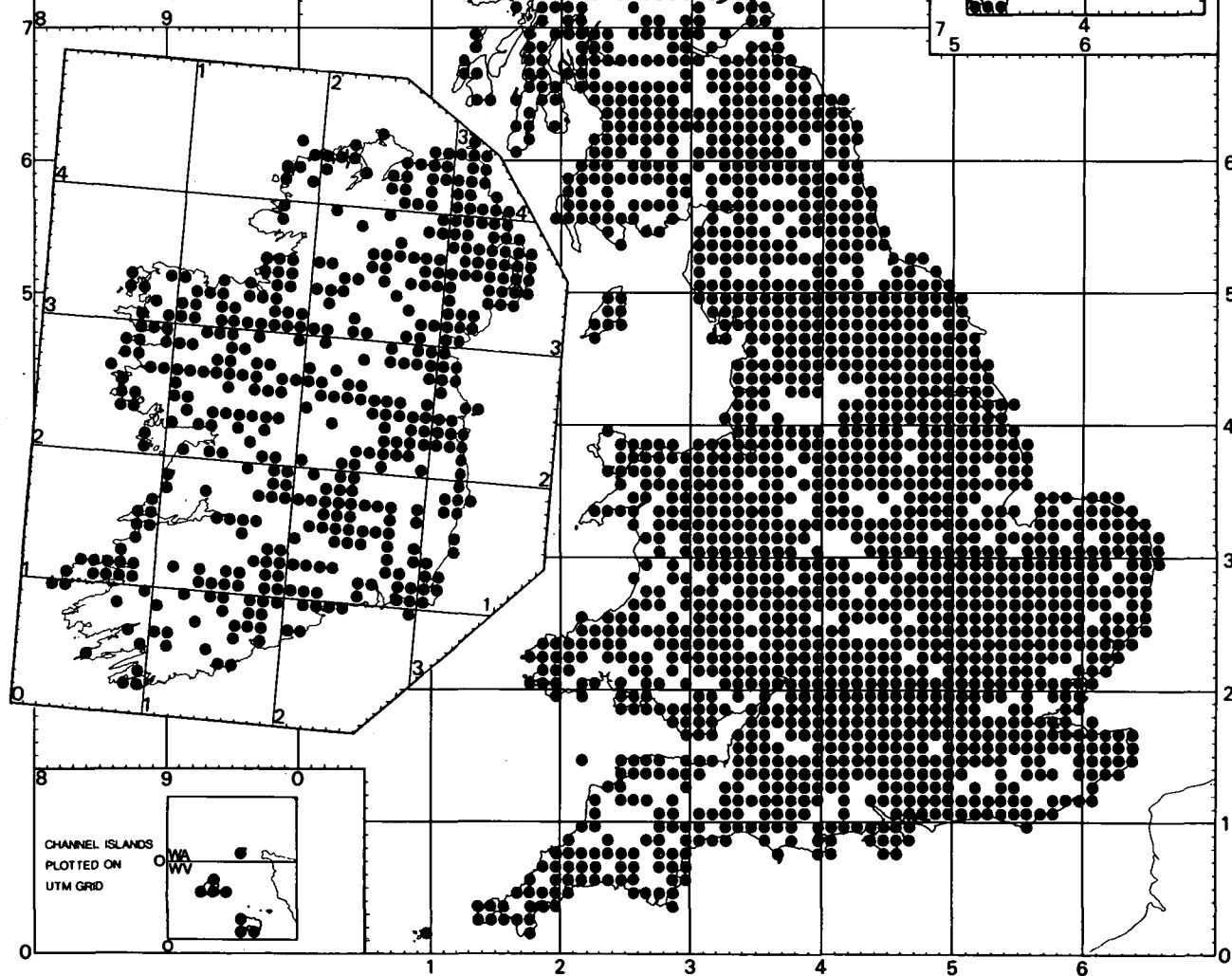
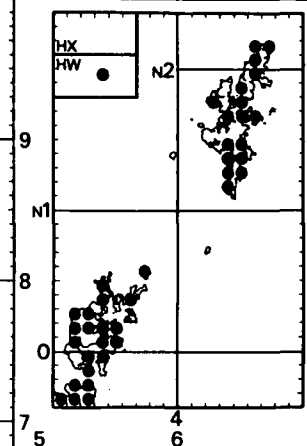




103.
VITRINA
PELLUCIDA
(Müller)

● all records

0 100
Kilometres
0 100
Miles

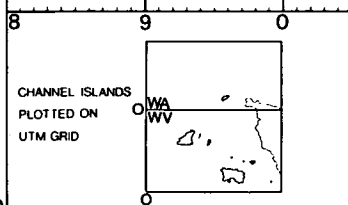
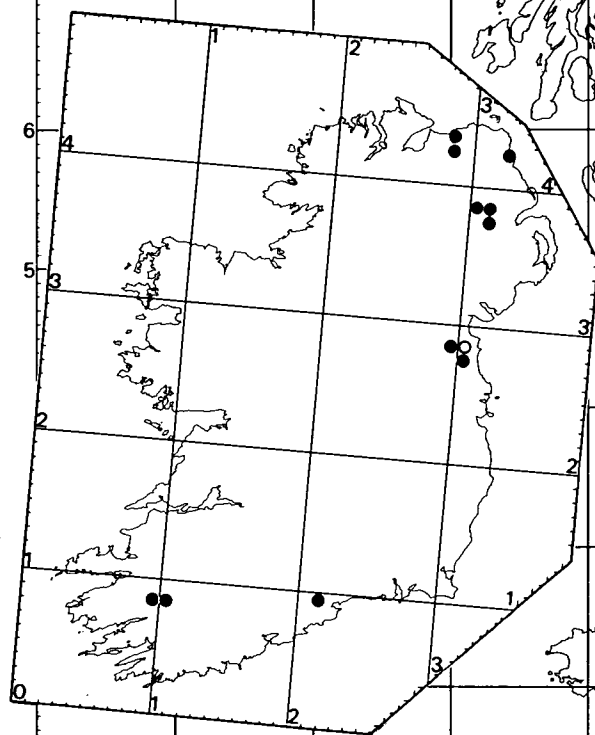
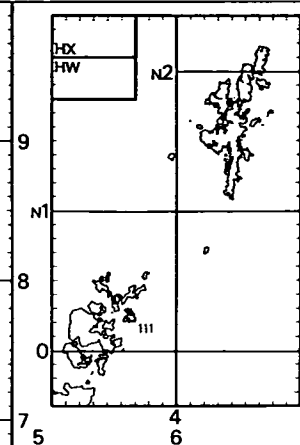


CHANNEL ISLANDS
PLOTTED ON
UTM GRID

104.
SEMILIMAX
PYRENAICUS
(Férussac)

● 1950 onwards
○ before 1950 only

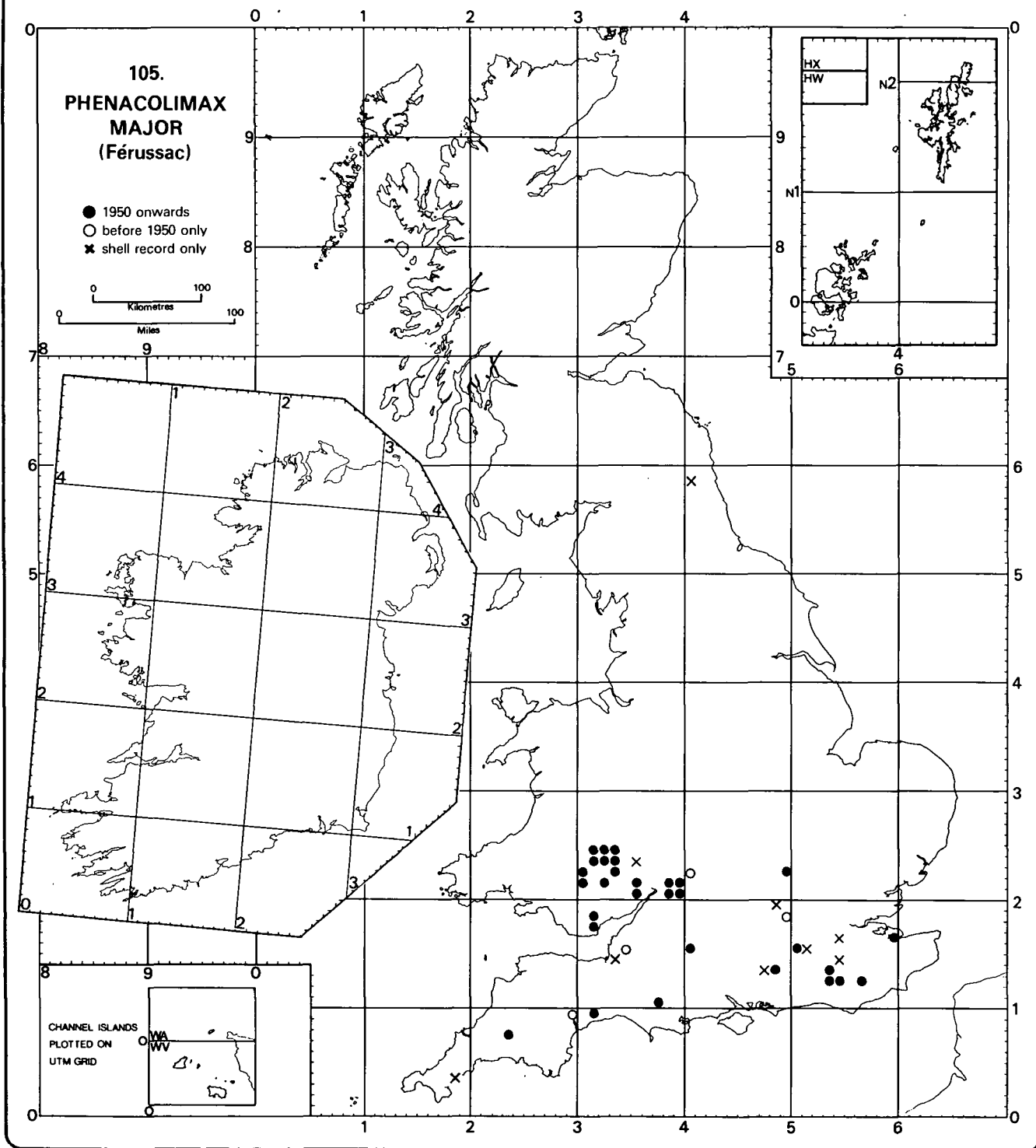
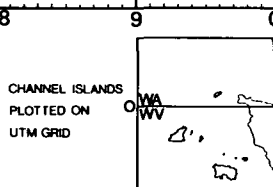
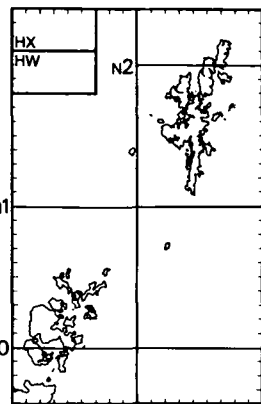
0 100
Kilometres
0 100
Miles



105.
PHENACOLIMAX
MAJOR
(Férussac)

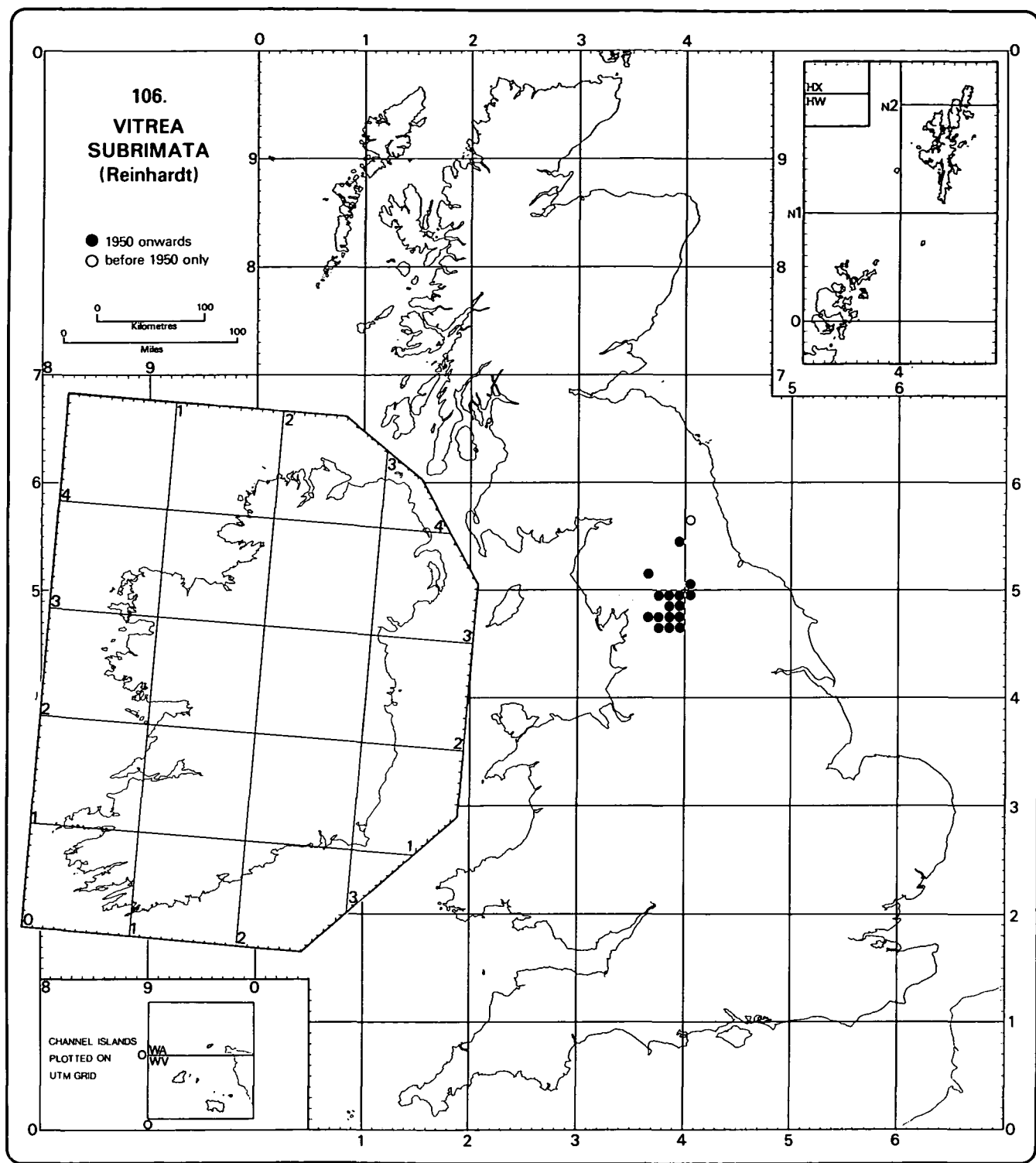
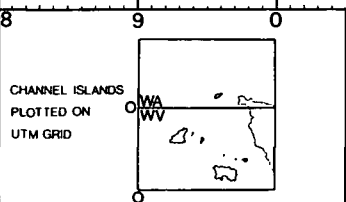
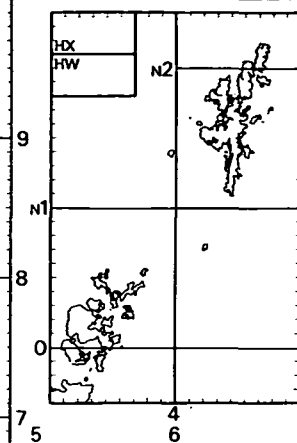
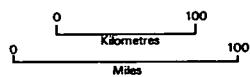
- 1950 onwards
- before 1950 only
- ✕ shell record only

0 100
Kilometres
0 100
Miles



106.
VITREA
SUBRIMATA
(Reinhardt)

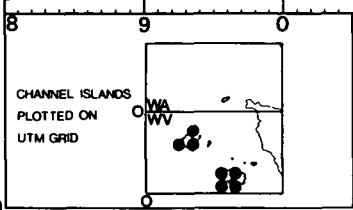
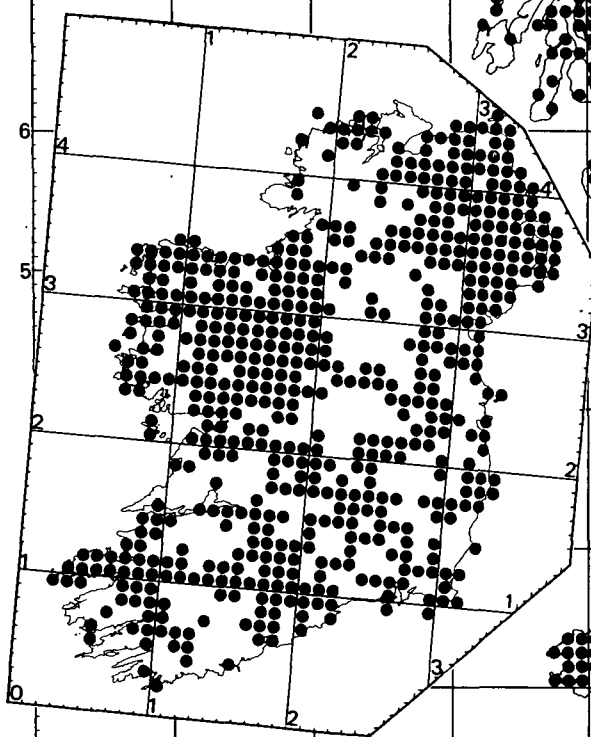
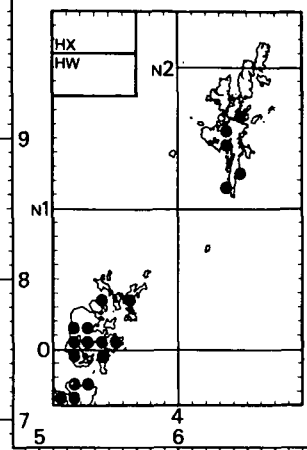
- 1950 onwards
- before 1950 only



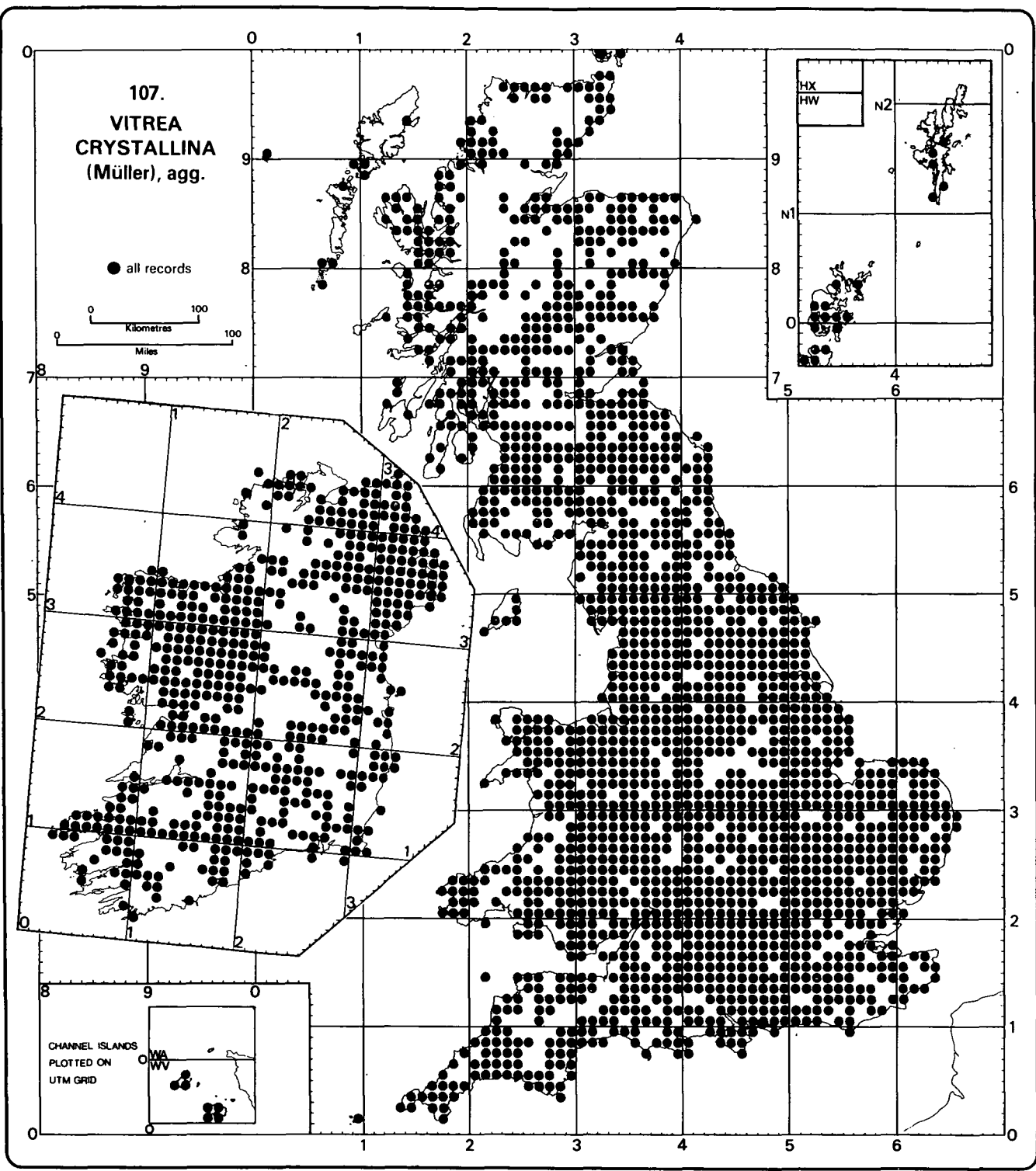
107.
VITREA
CRYSTALLINA
(Müller), agg.

● all records

0 100
Kilometres
0 100
Miles



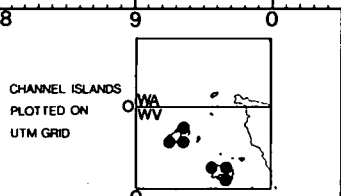
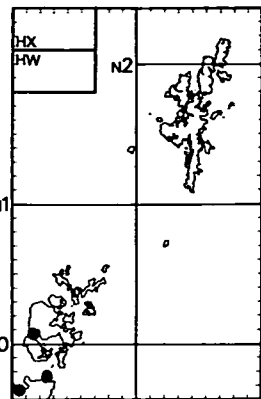
CHANNEL ISLANDS
PLOTTED ON
UTM GRID



108.
VITREA
CRYSTALLINA
(Müller), seg.

● all records

0 100
Kilometres
0 100
Miles

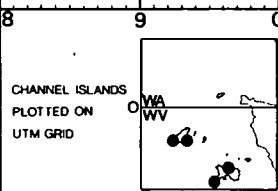
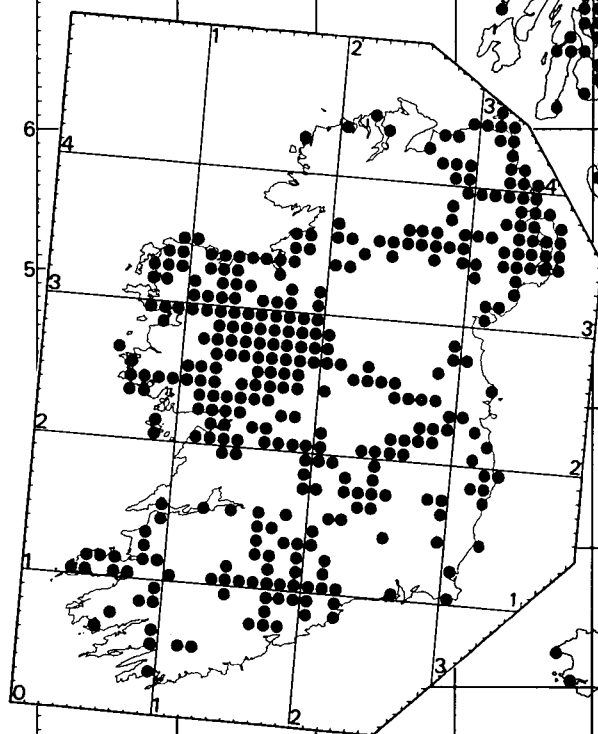
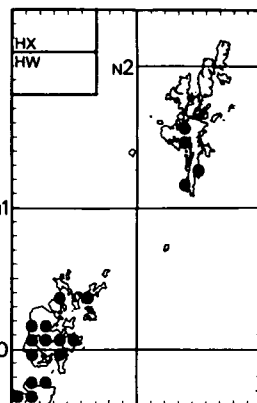


CHANNEL ISLANDS
PLOTTED ON
UTM GRID

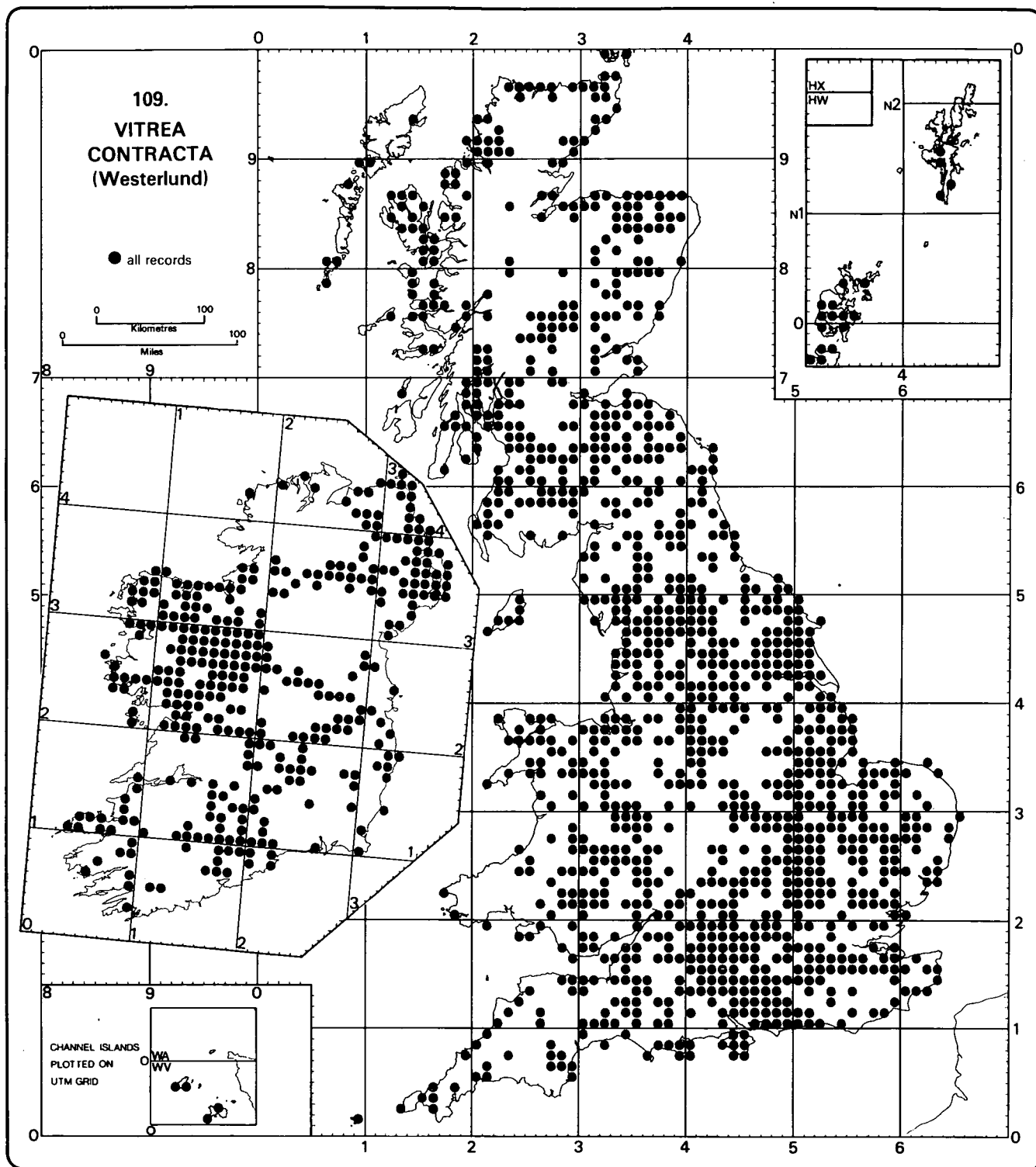
109.
VITREA
CONTRACTA
(Westerlund)

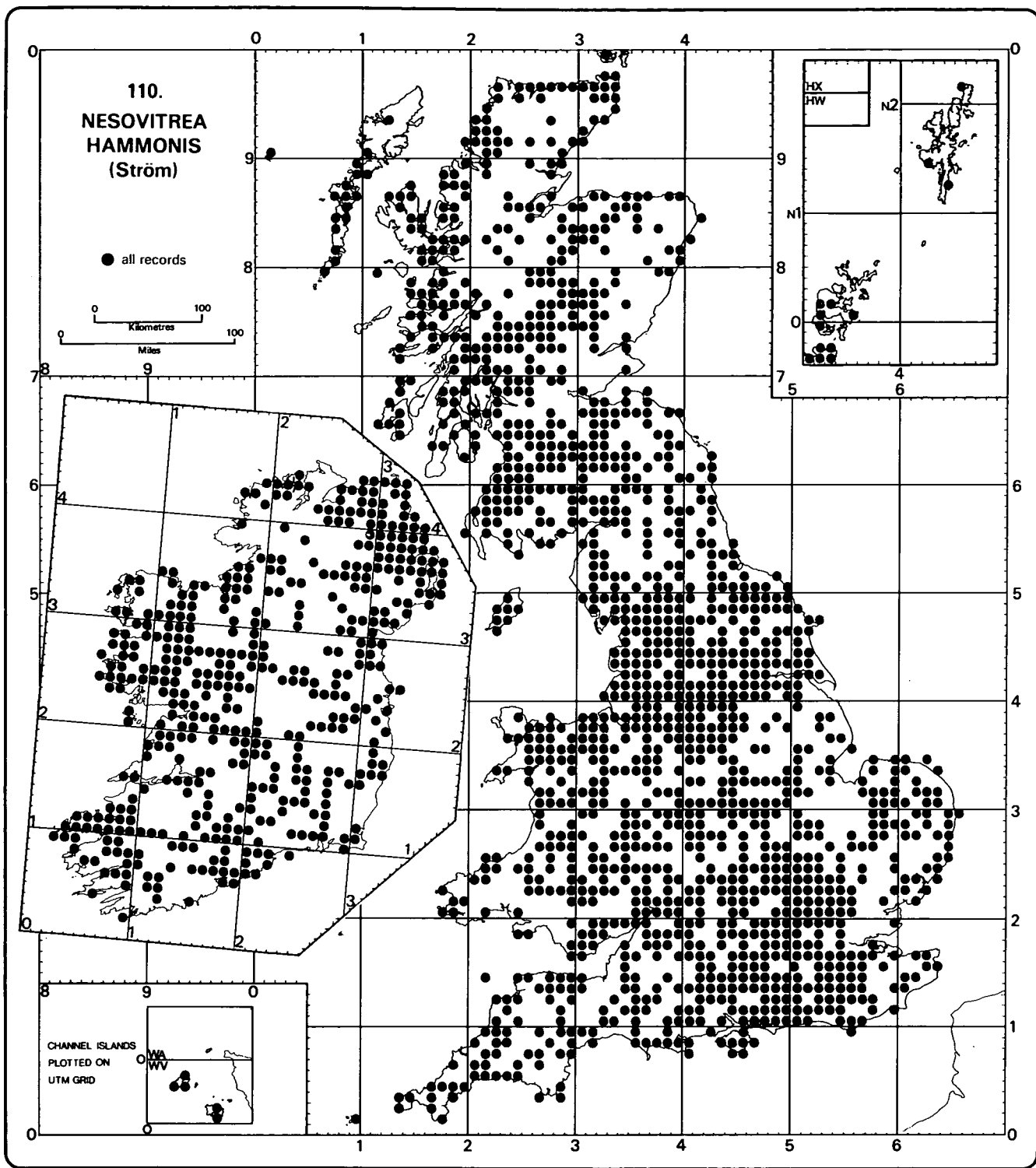
● all records

0 100
Kilometres
0 100
Miles



CHANNEL ISLANDS
PLOTED ON
UTM GRID

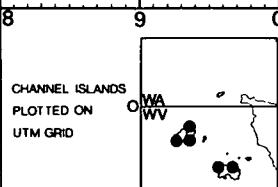
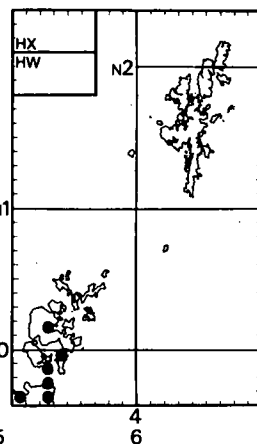




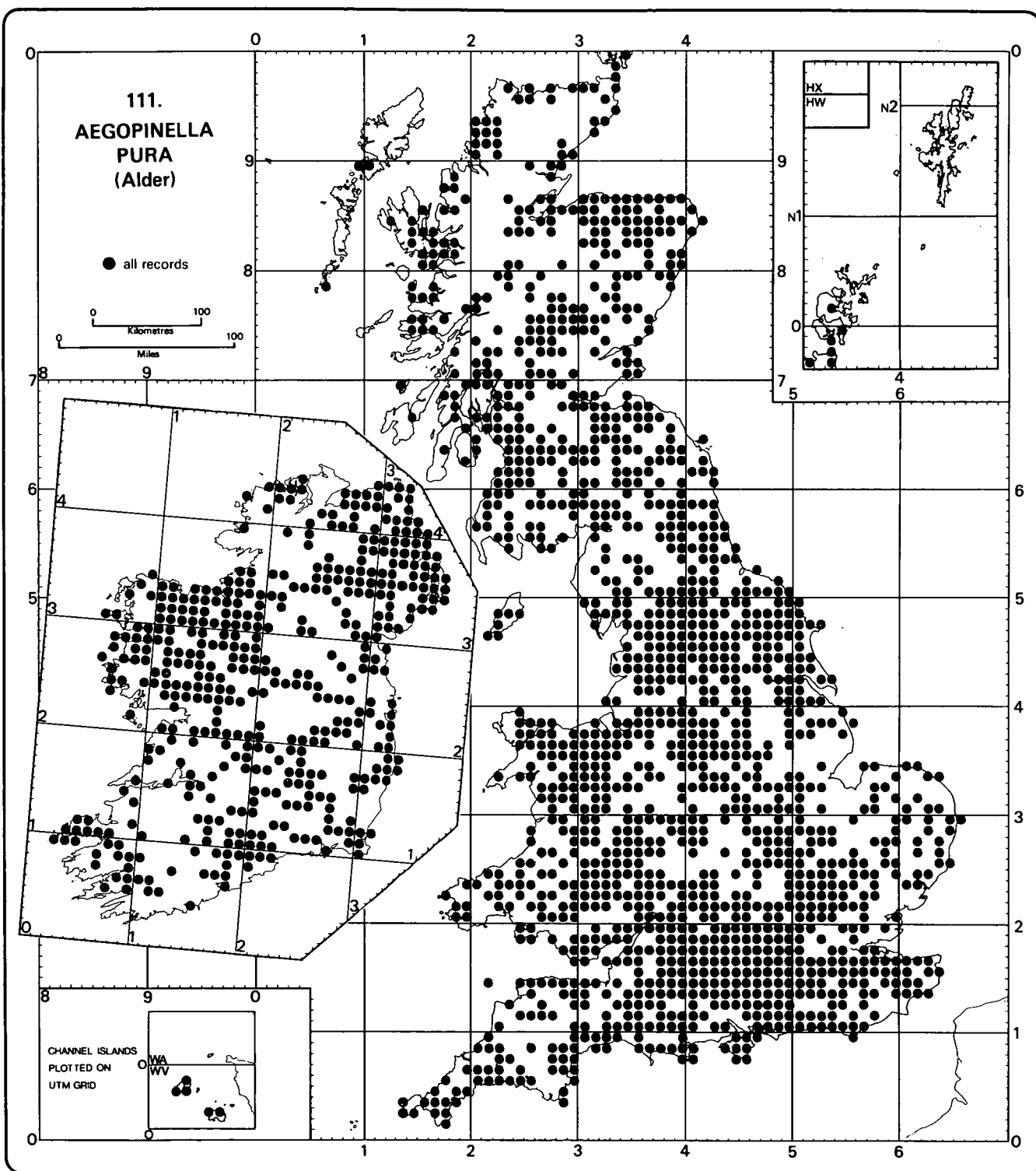
111.
**AEGOPINELLA
PURA**
(Alder)

● all records

0 100
Kilometres
0 100
Miles

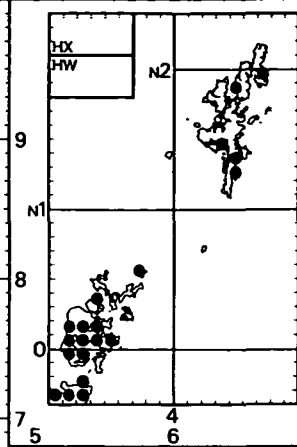
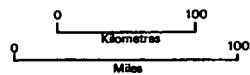


CHANNEL ISLANDS
PLOTTED ON
UTM GRID

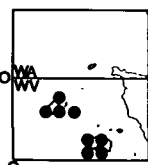


112.
AEGOPINELLA
NITIDULA
(Draparnaud)

- all records



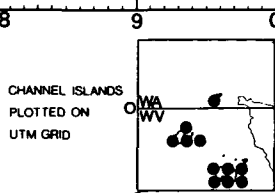
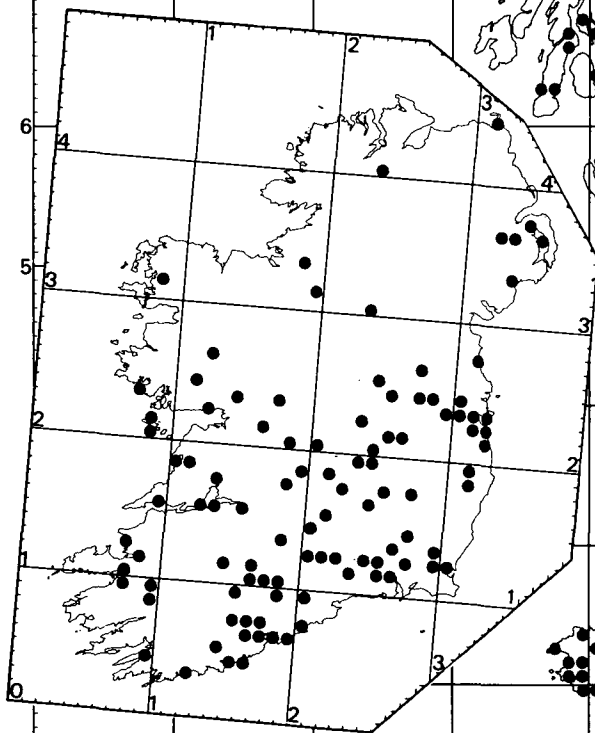
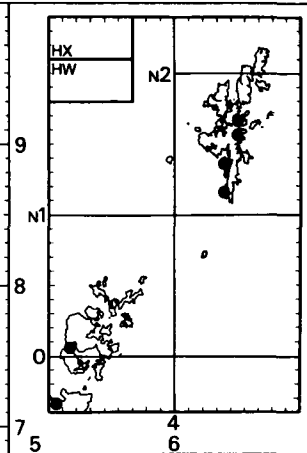
CHANNEL ISLANDS
PLOTTED ON
UTM GRID



113.
OXYCHILUS
DRAPARNAUDI
 (Beck)

● all records

0 100
 Kilometres
 0 100
 Miles



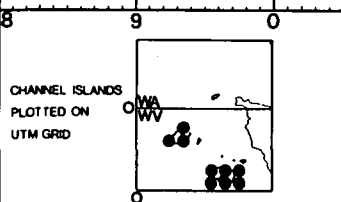
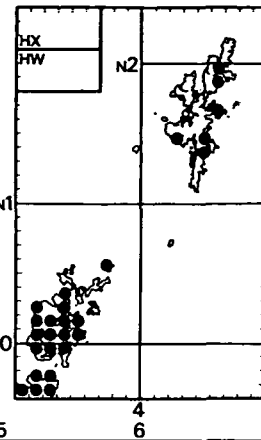
CHANNEL ISLANDS
 PLOTTED ON
 UTM GRID

WA
 WV

114.
OXYCHILUS
CELLARIUS
 (Müller)

● all records

0 100
 Kilometres
 0 100
 Miles

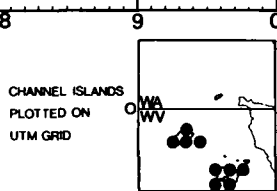


CHANNEL ISLANDS
 PLOTTED ON
 UTM GRID

115.
OXYCHILUS
ALLIARIUS
(Miller)

● all records

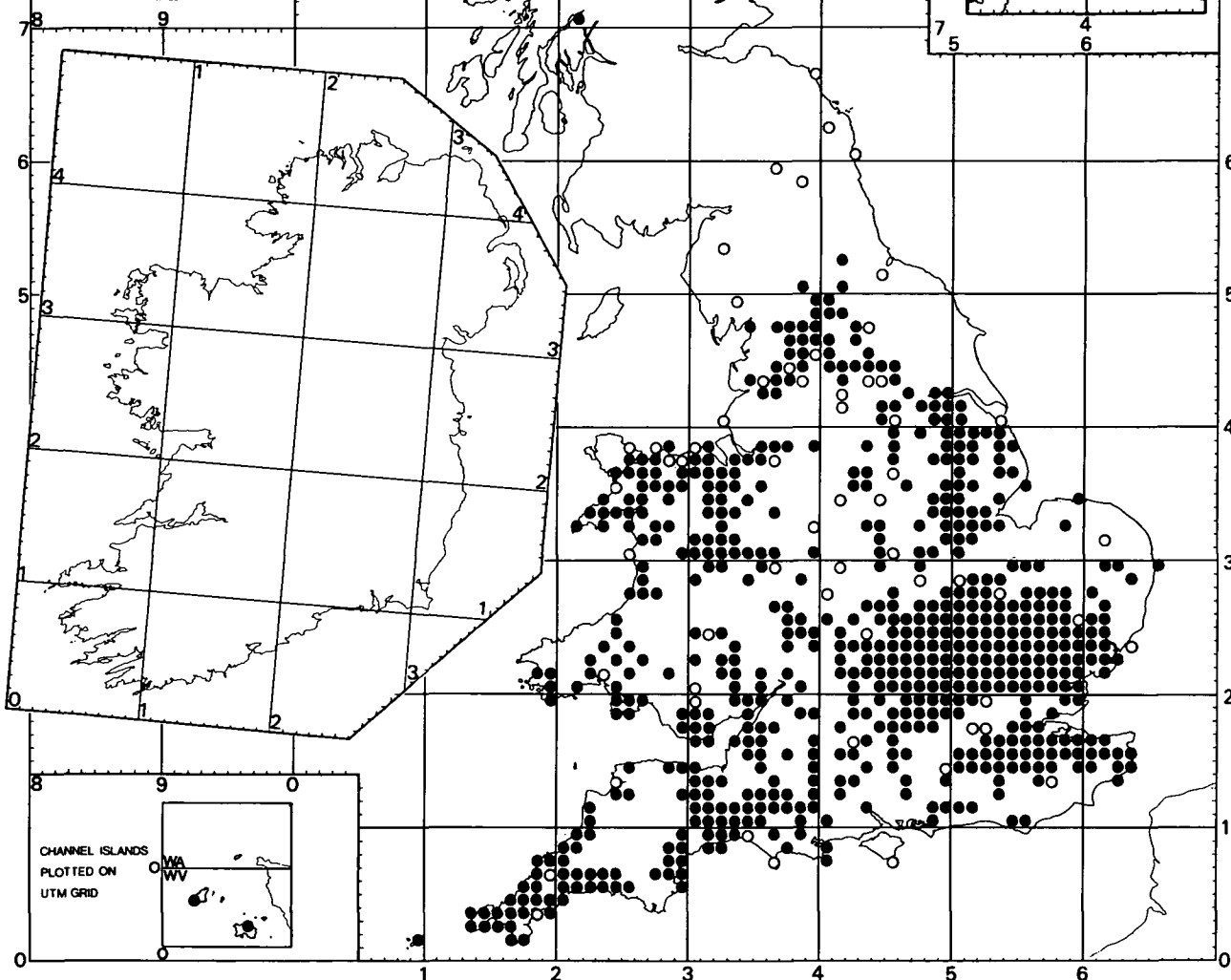
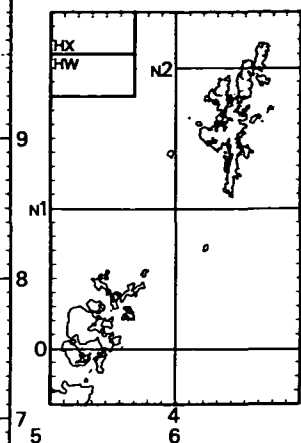
0 100
Kilometres
0 100
Miles



116.
**OXYCHILUS
HELVETICUS**
(Blum)

● 1950 onwards
○ before 1950 only

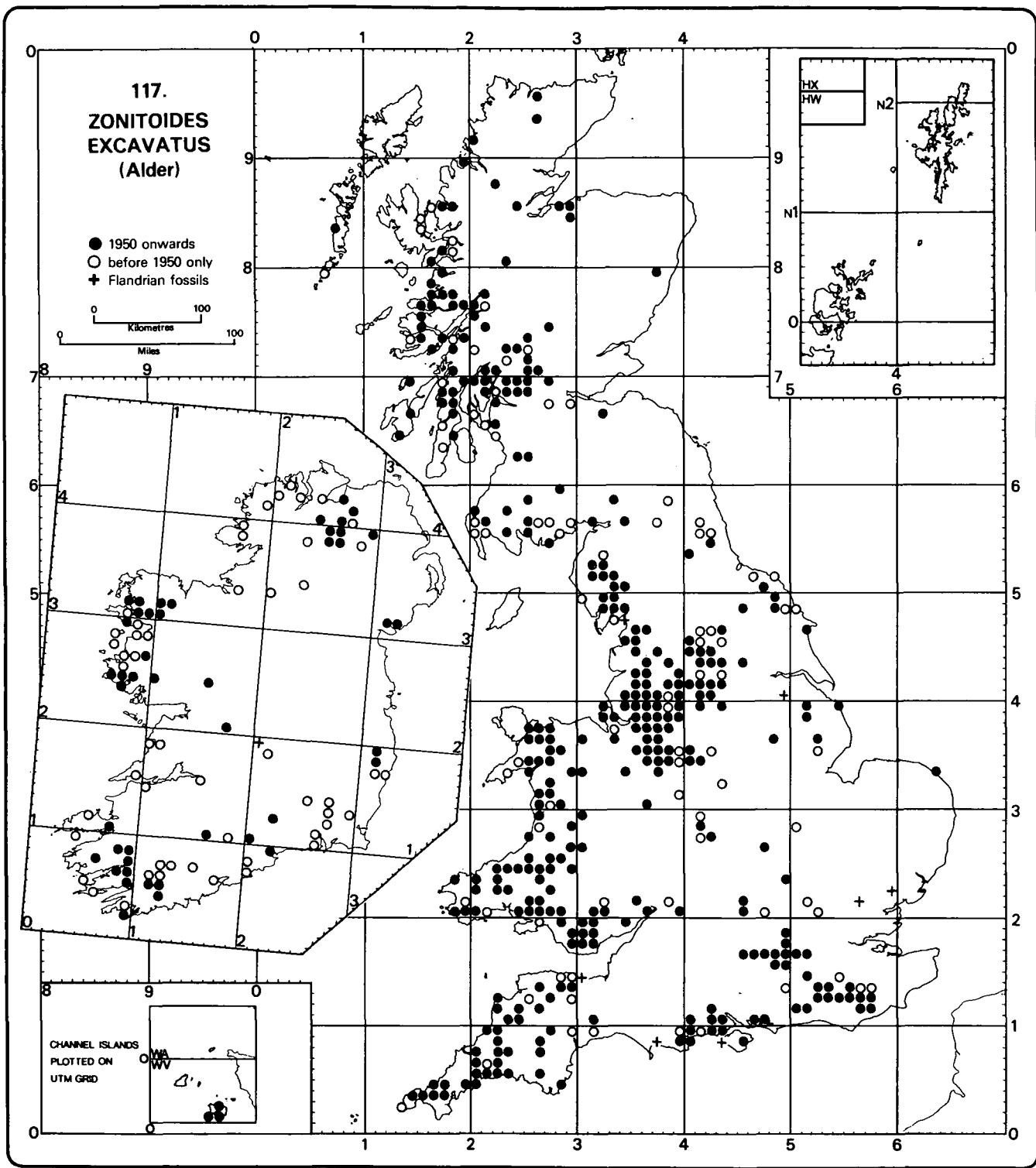
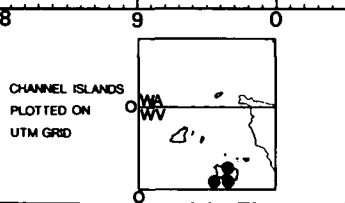
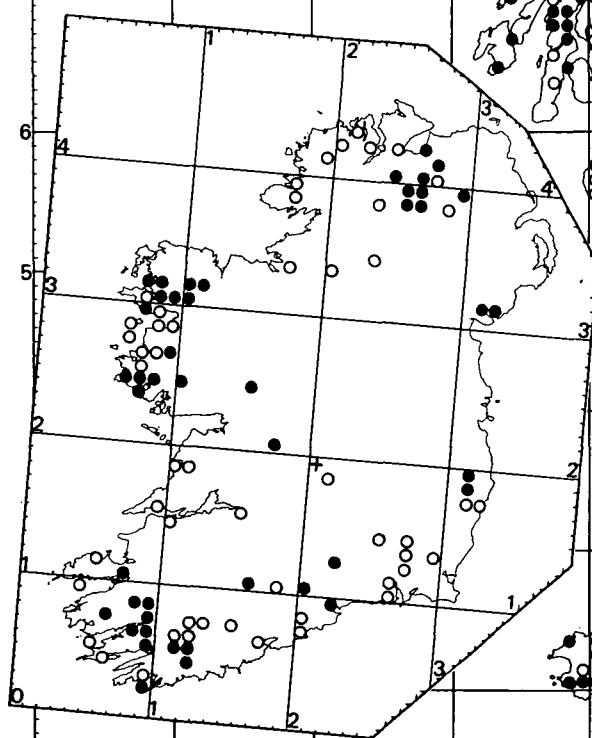
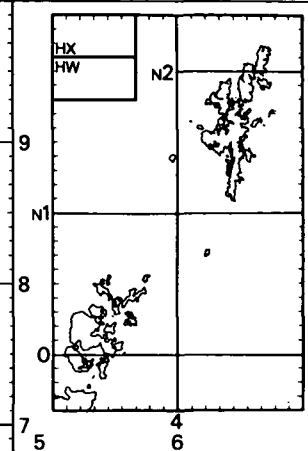
0 100
Kilometres
0 100
Miles

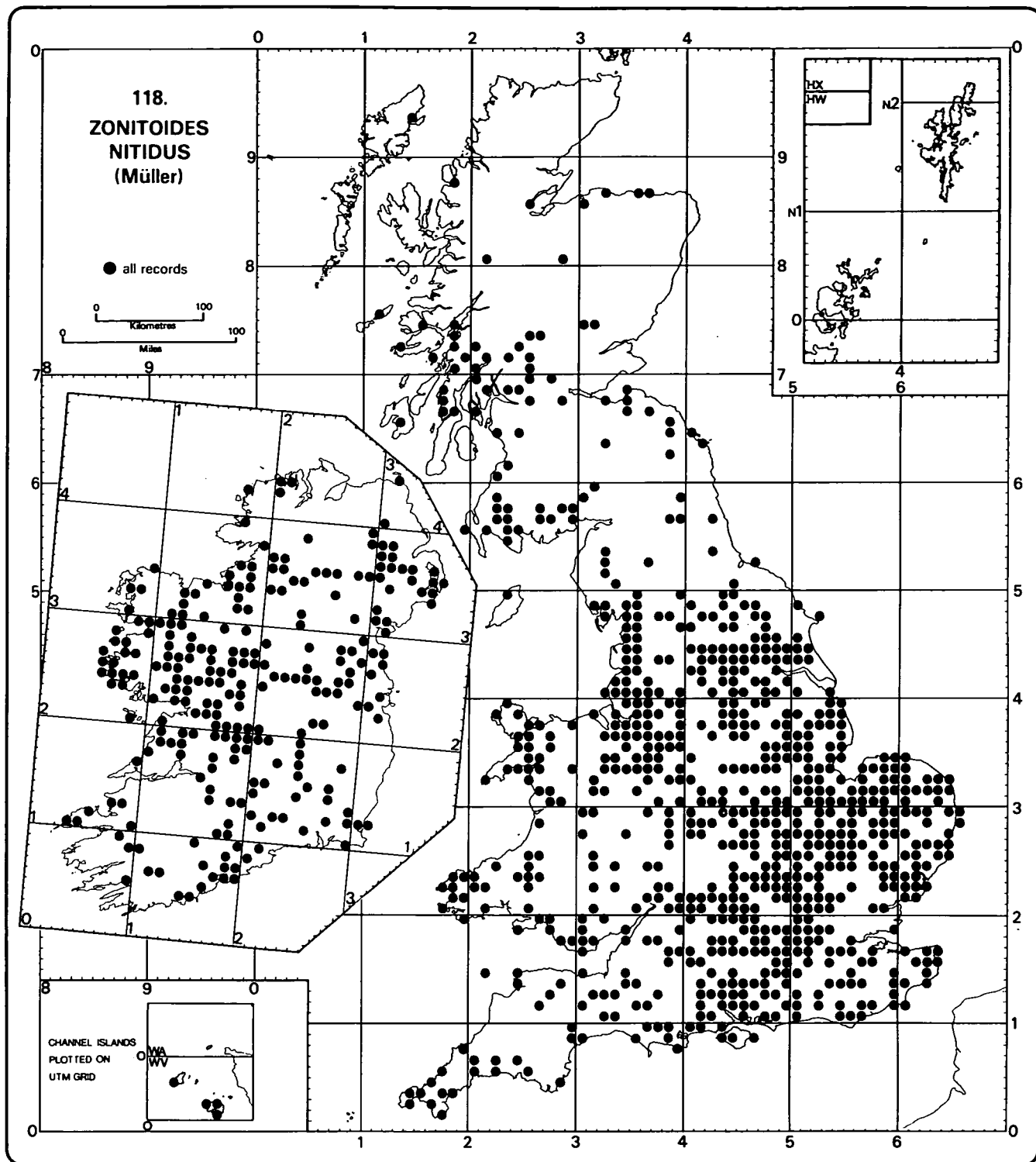


117.
ZONITOIDES
EXCAVATUS
(Alder)

- 1950 onwards
- before 1950 only
- + Flandrian fossils

0 100
Kilometres
0 100
Miles

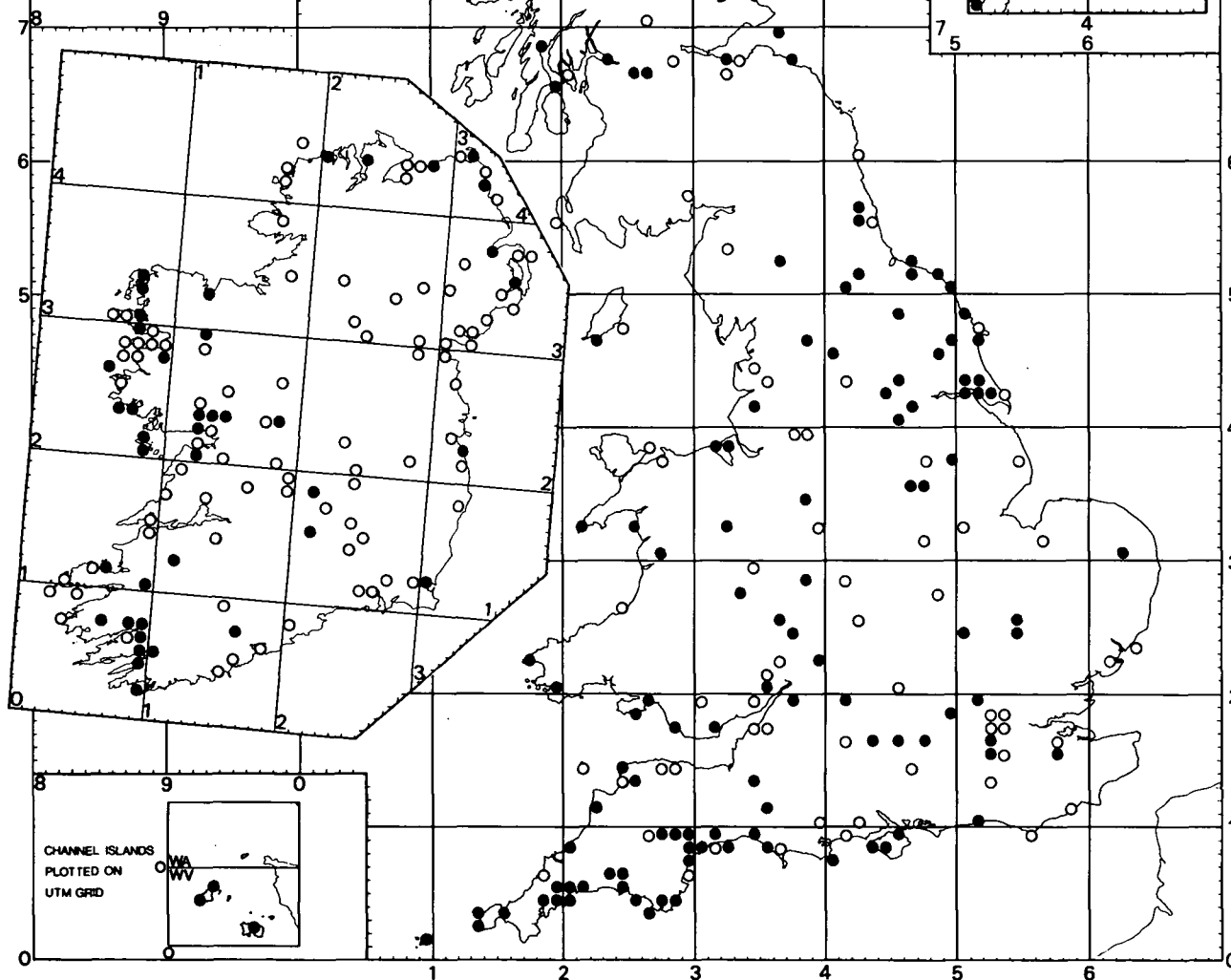
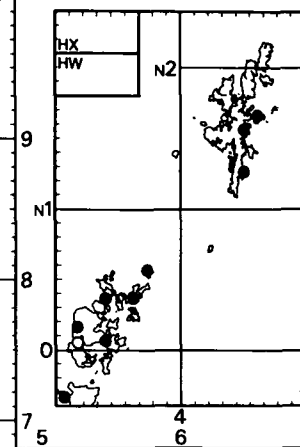




119.
MILAX
GAGATES
(Draparnaud)

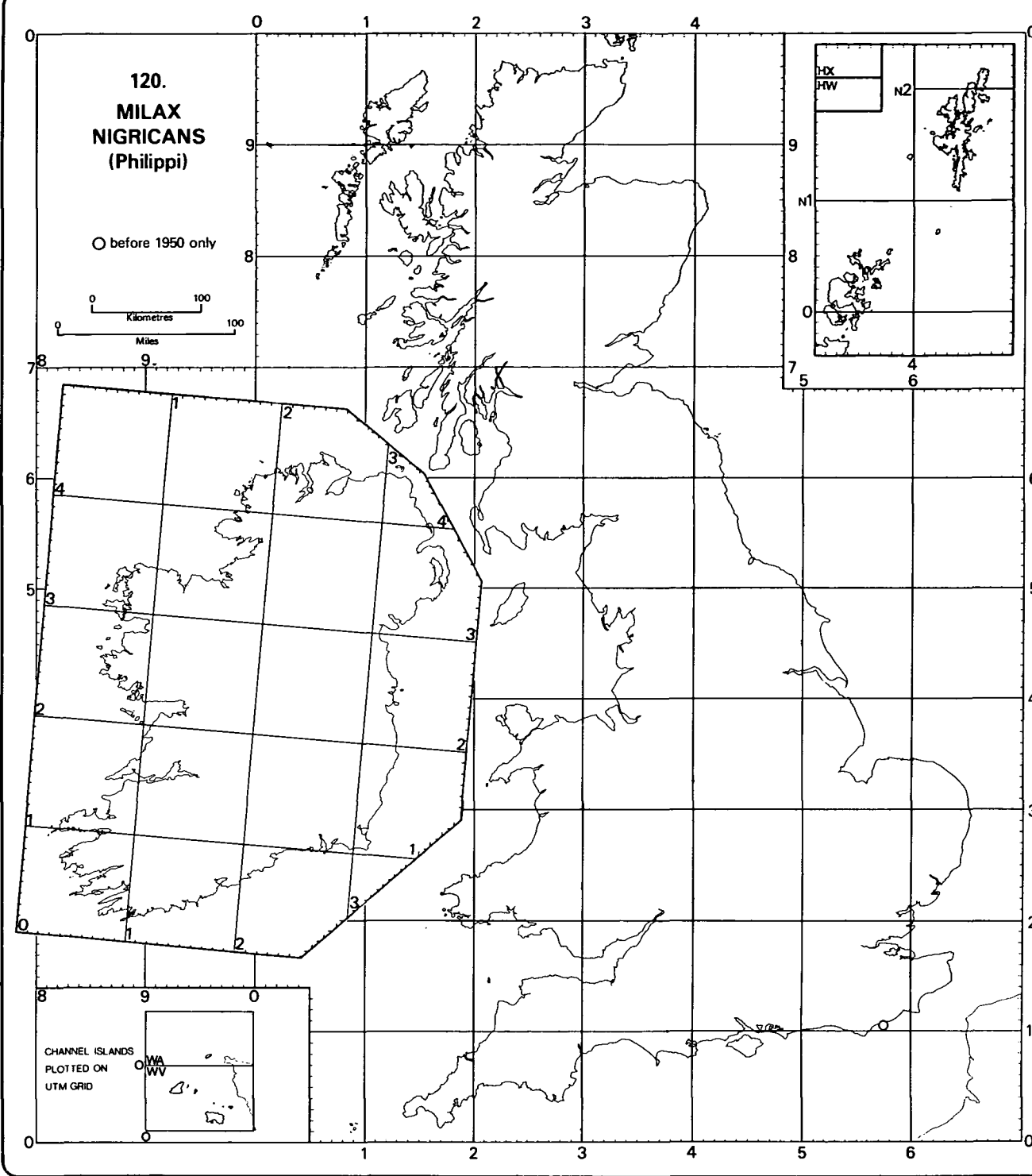
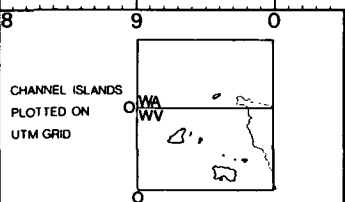
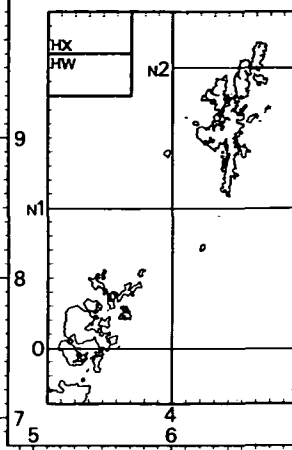
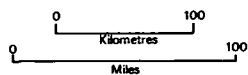
- verified 1930 onwards
- before 1930 only

0 100
Kilometres
0 100
Miles



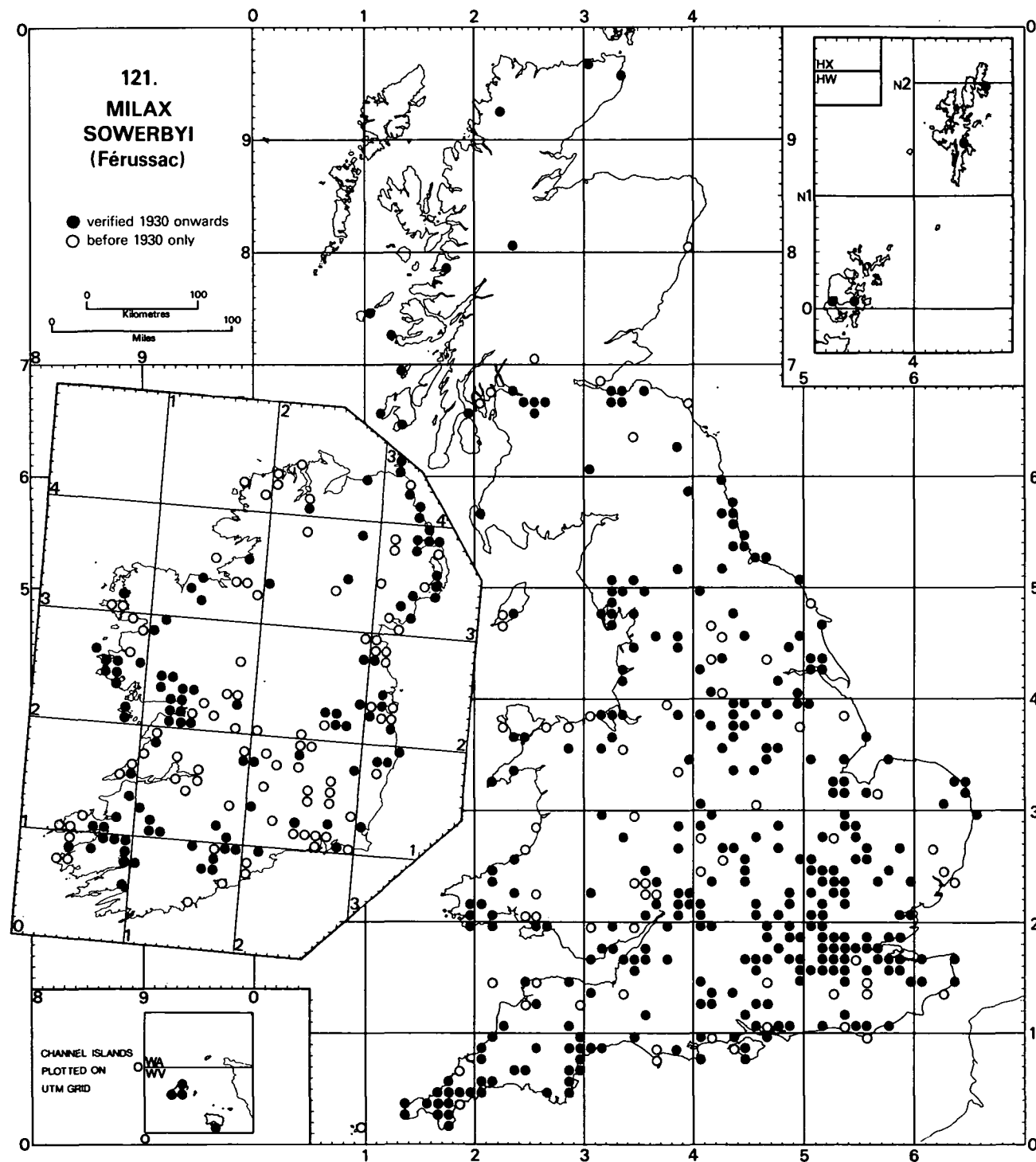
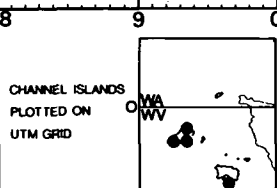
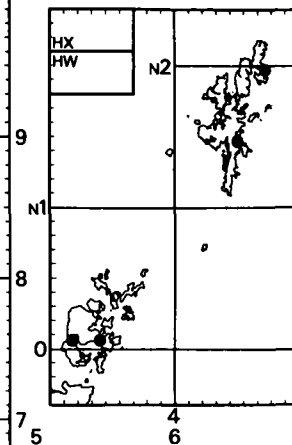
120.
MILAX
NIGRICANS
(Philippi)

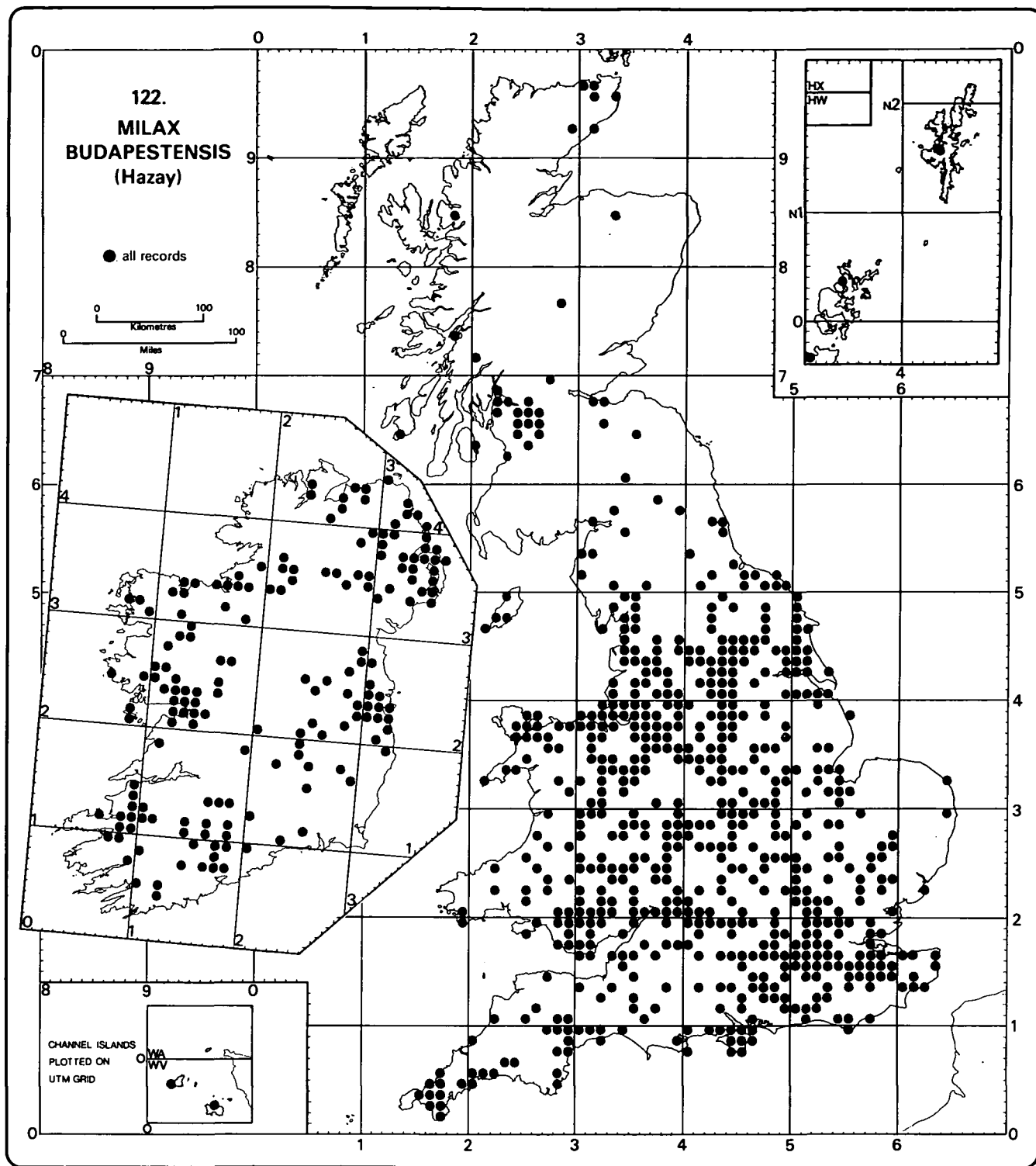
○ before 1950 only



121.
MILAX
SOWERBYI
(Férussac)

- verified 1930 onwards
- before 1930 only

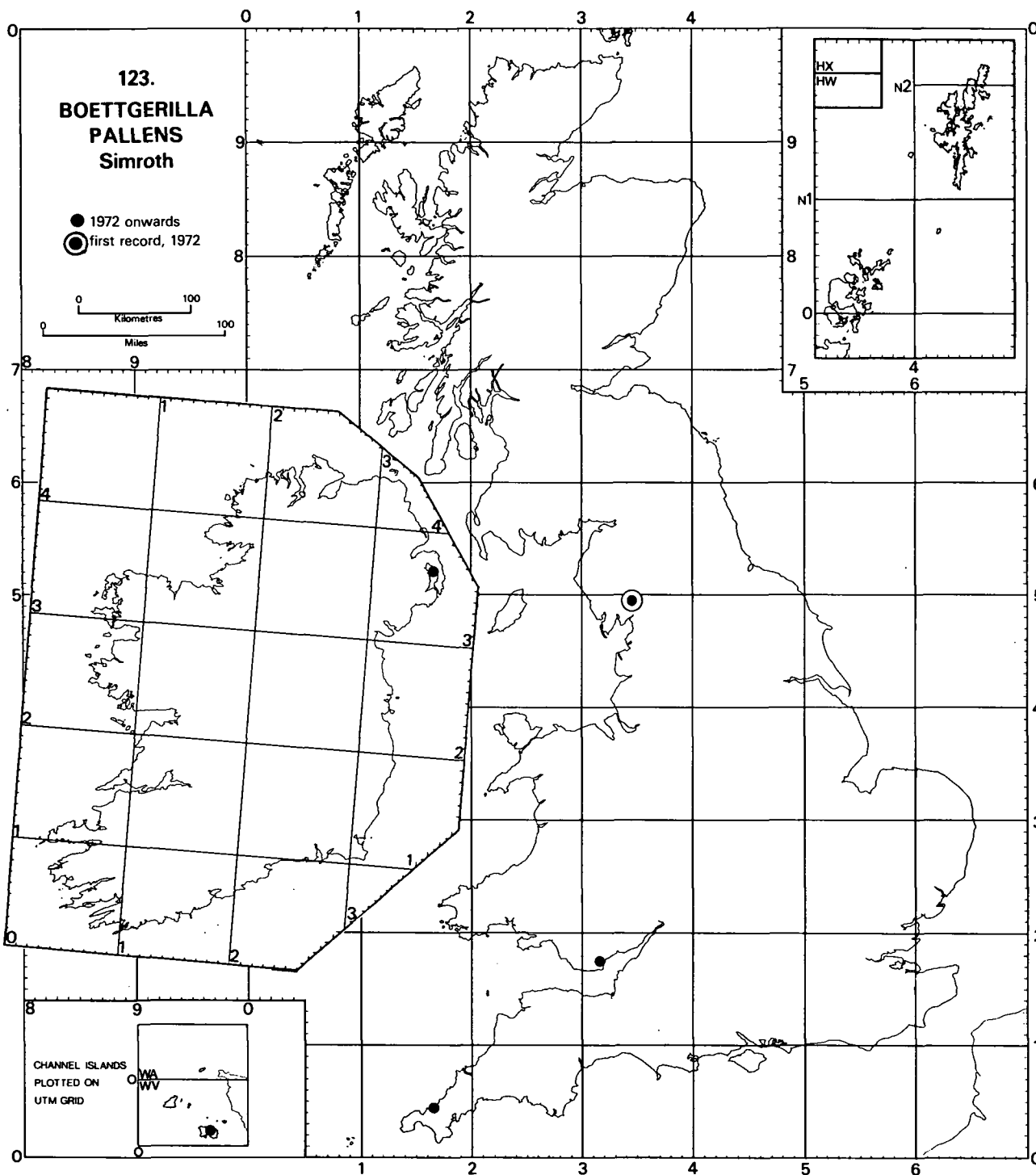




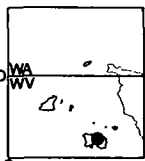
123.
BOETTGERILLA
PALLENS
Simroth

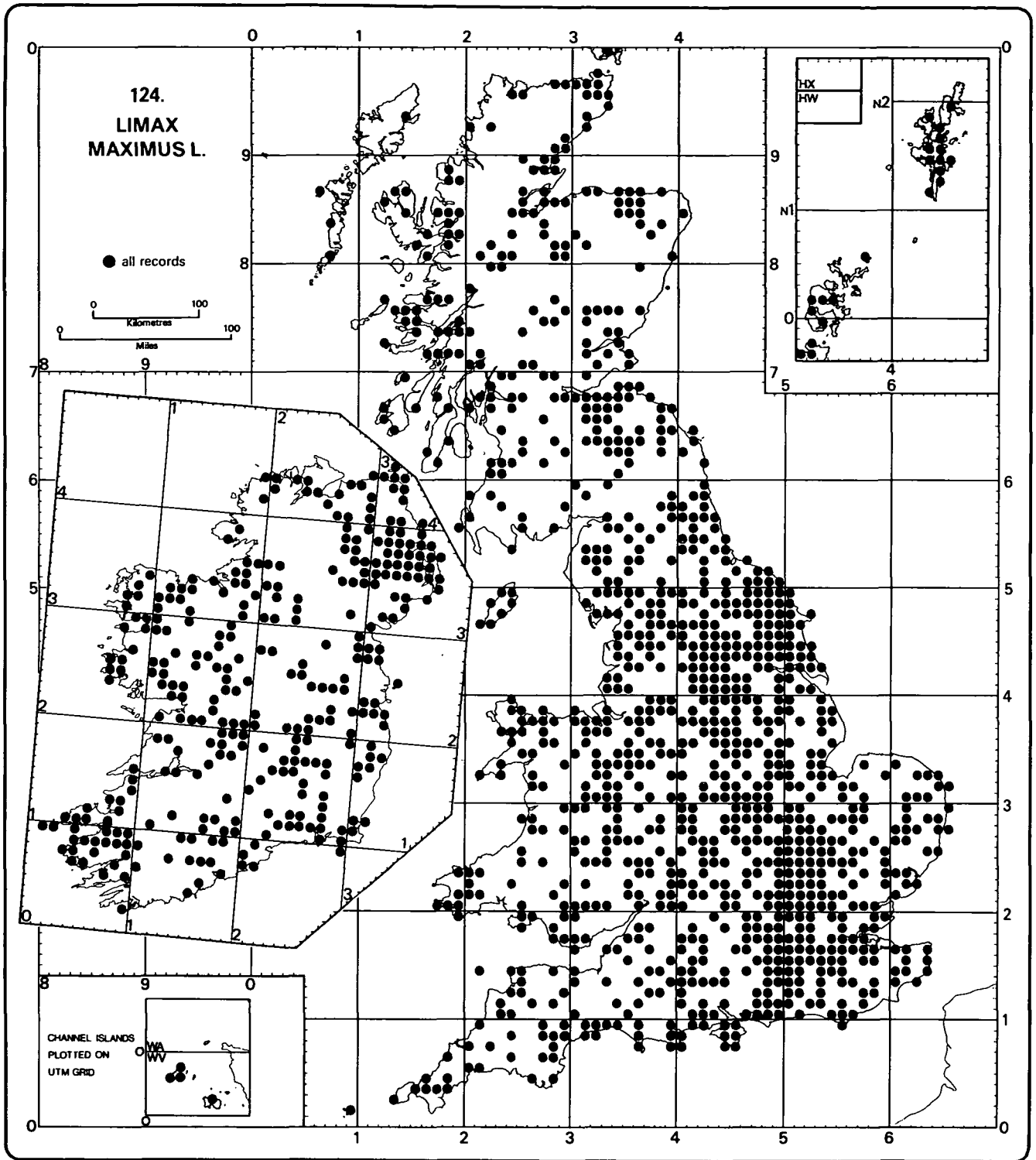
- 1972 onwards
- ⊙ first record, 1972

0 100
Kilometres
0 100
Miles



CHANNEL ISLANDS
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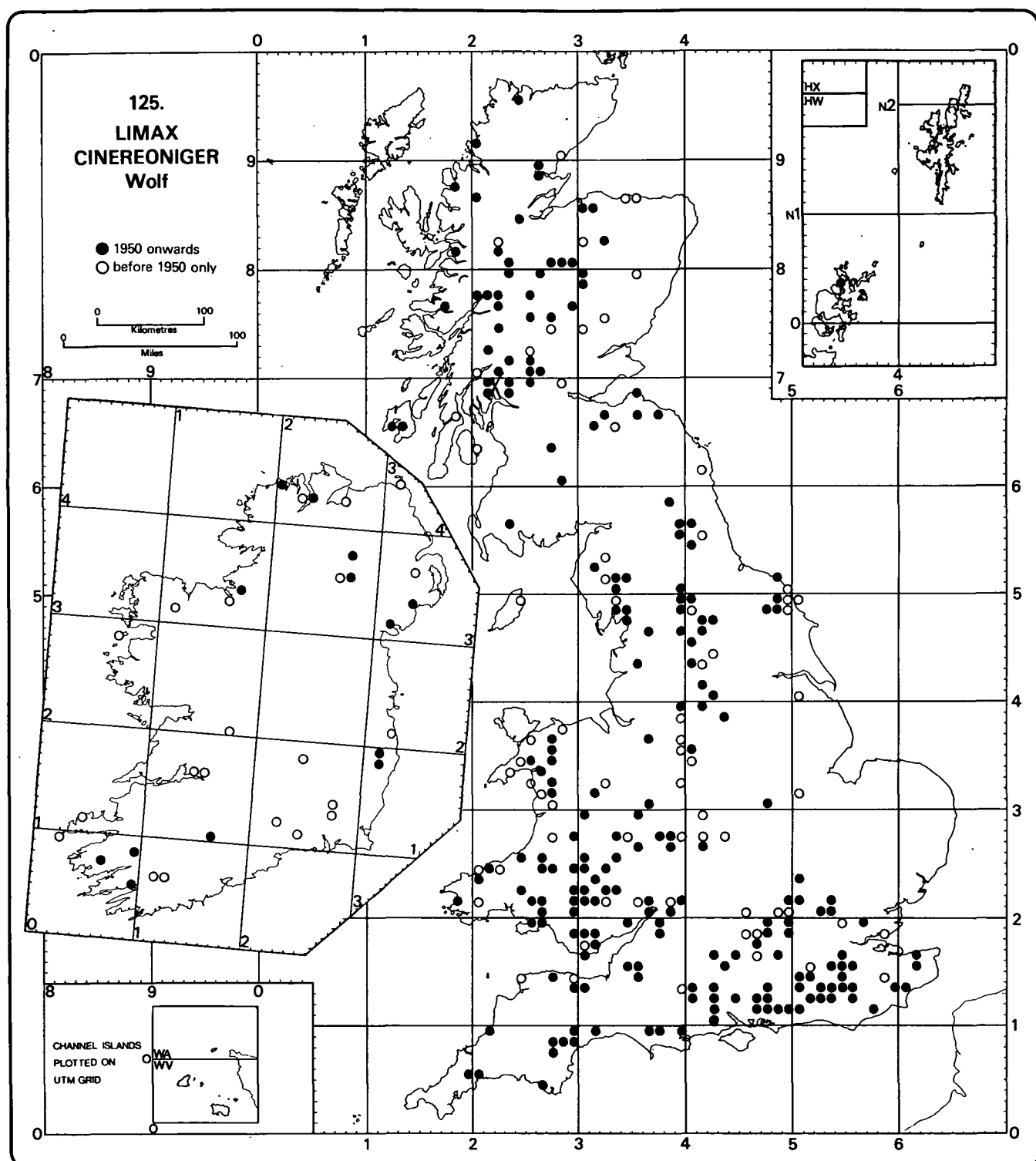
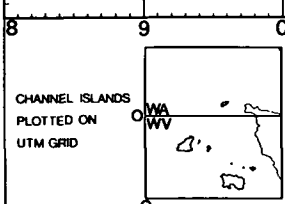
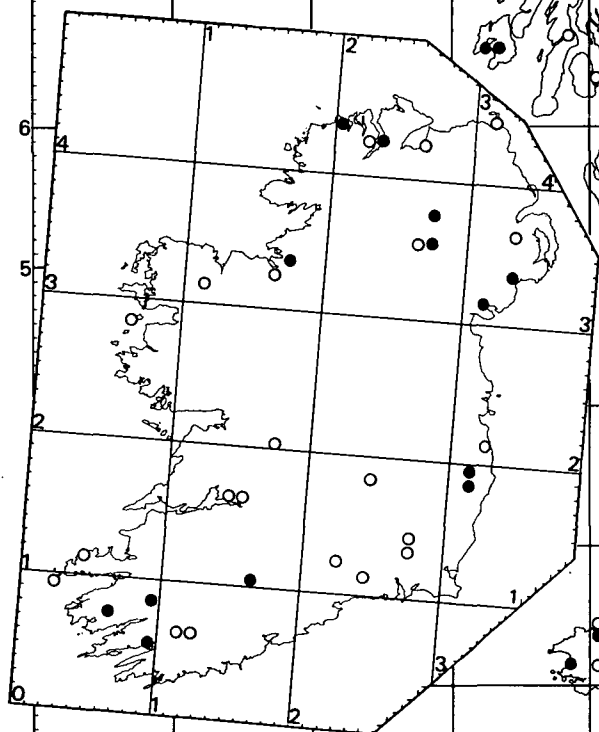
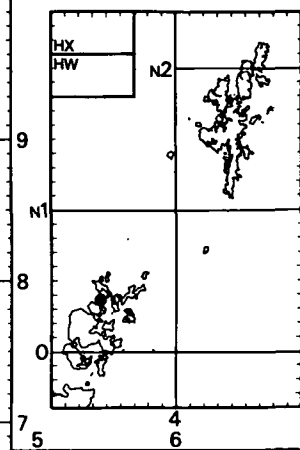


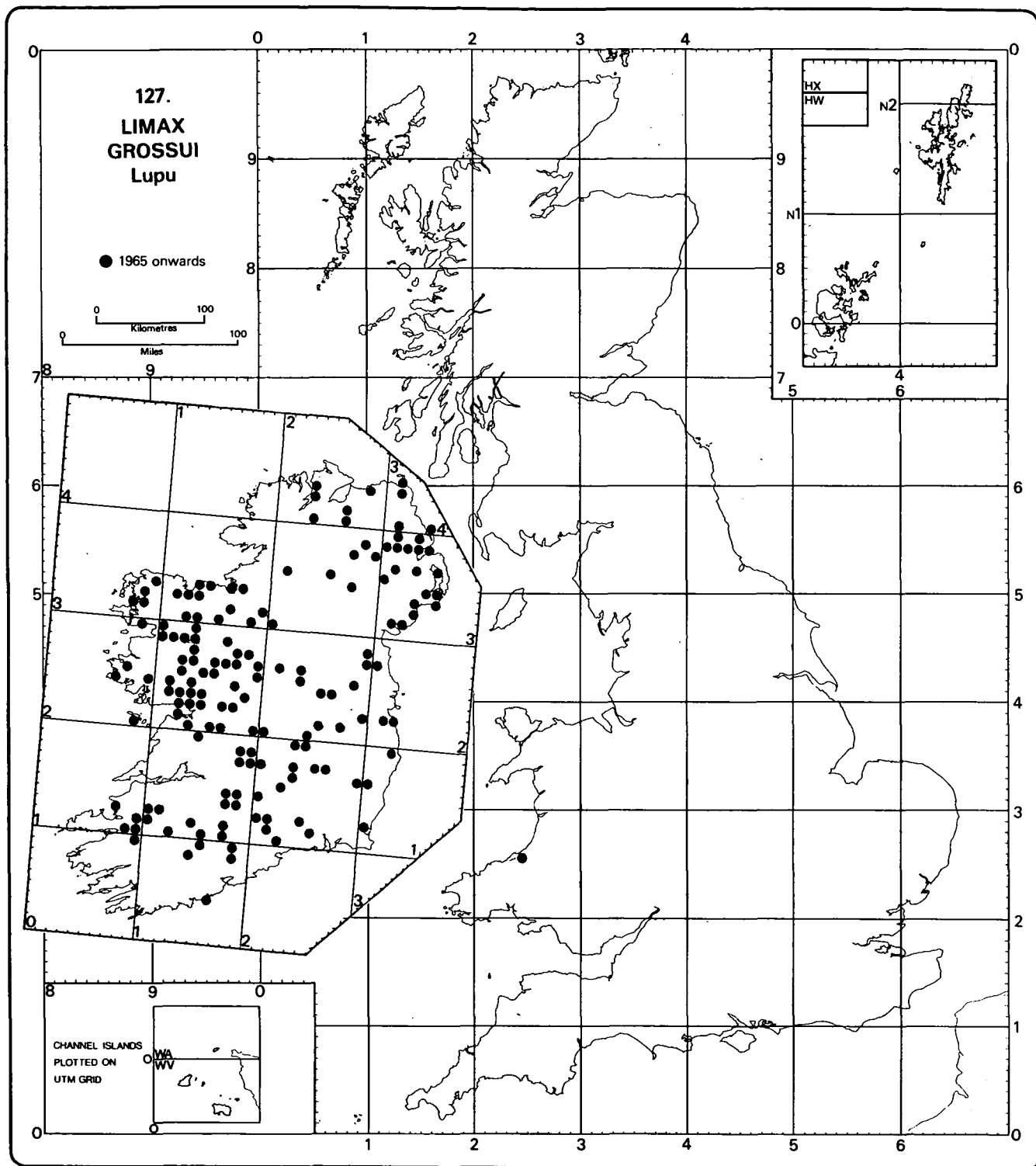


125.
LIMAX
CINEREONIGER
Wolf

● 1950 onwards
○ before 1950 only

0 100
Kilometres
0 100
Miles

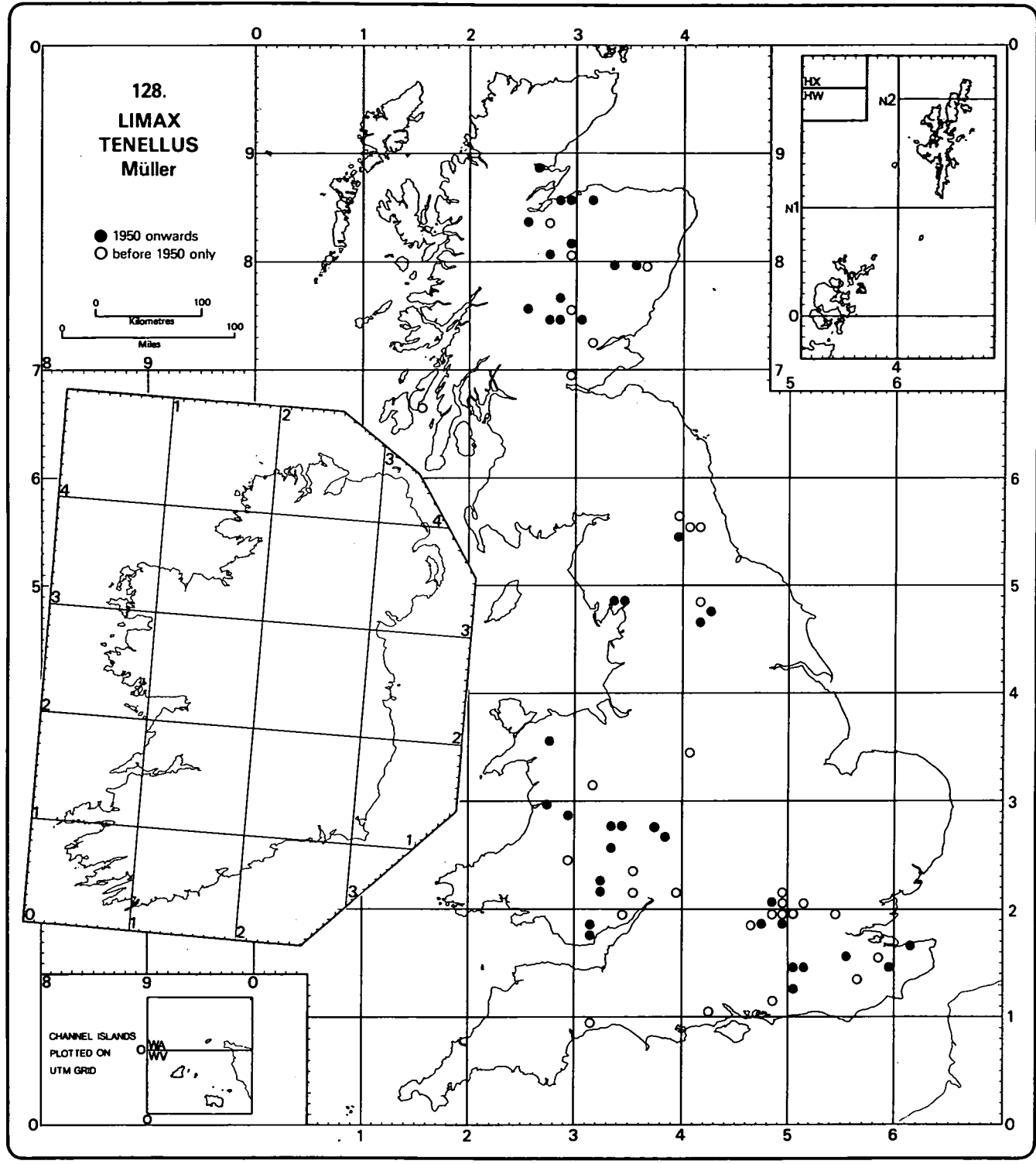
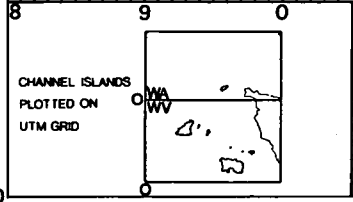
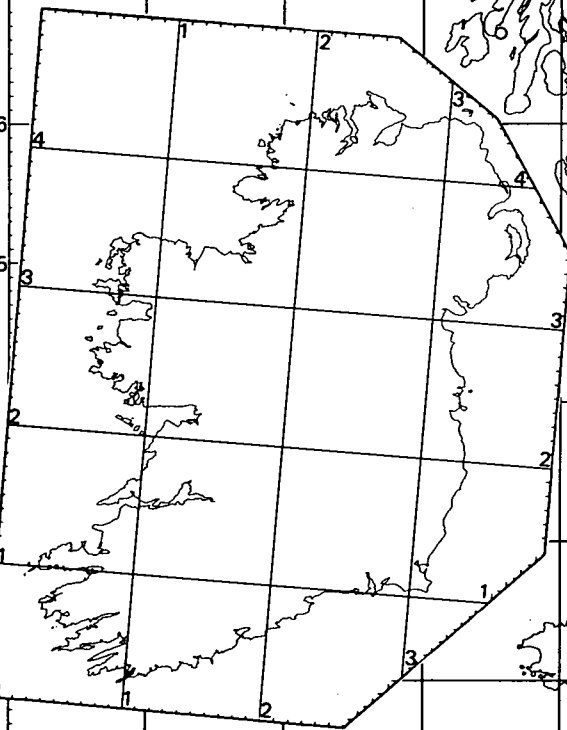
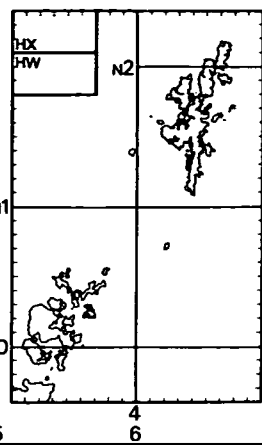


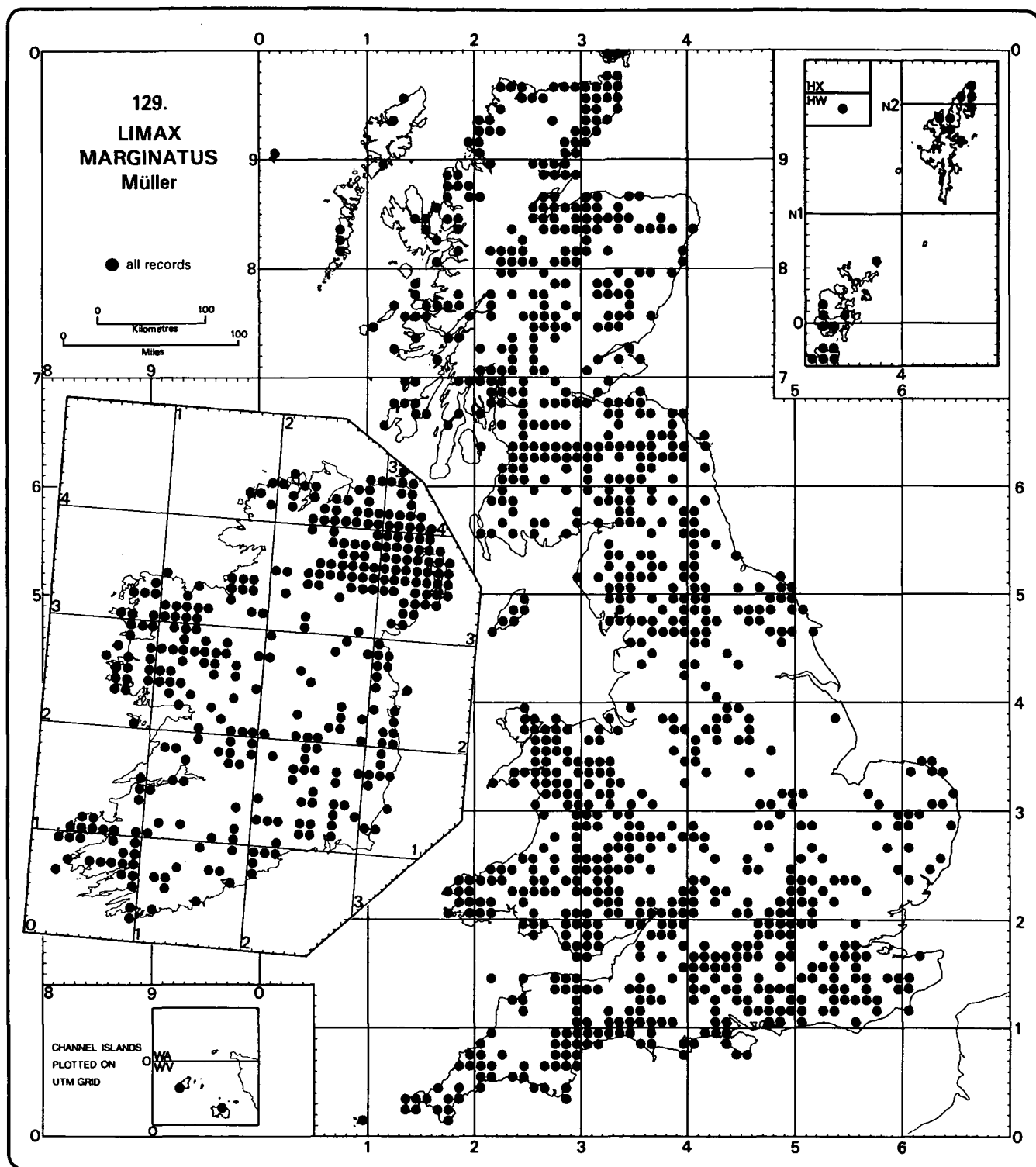


128.
LIMAX
TENELLUS
Müller

● 1950 onwards
○ before 1950 only

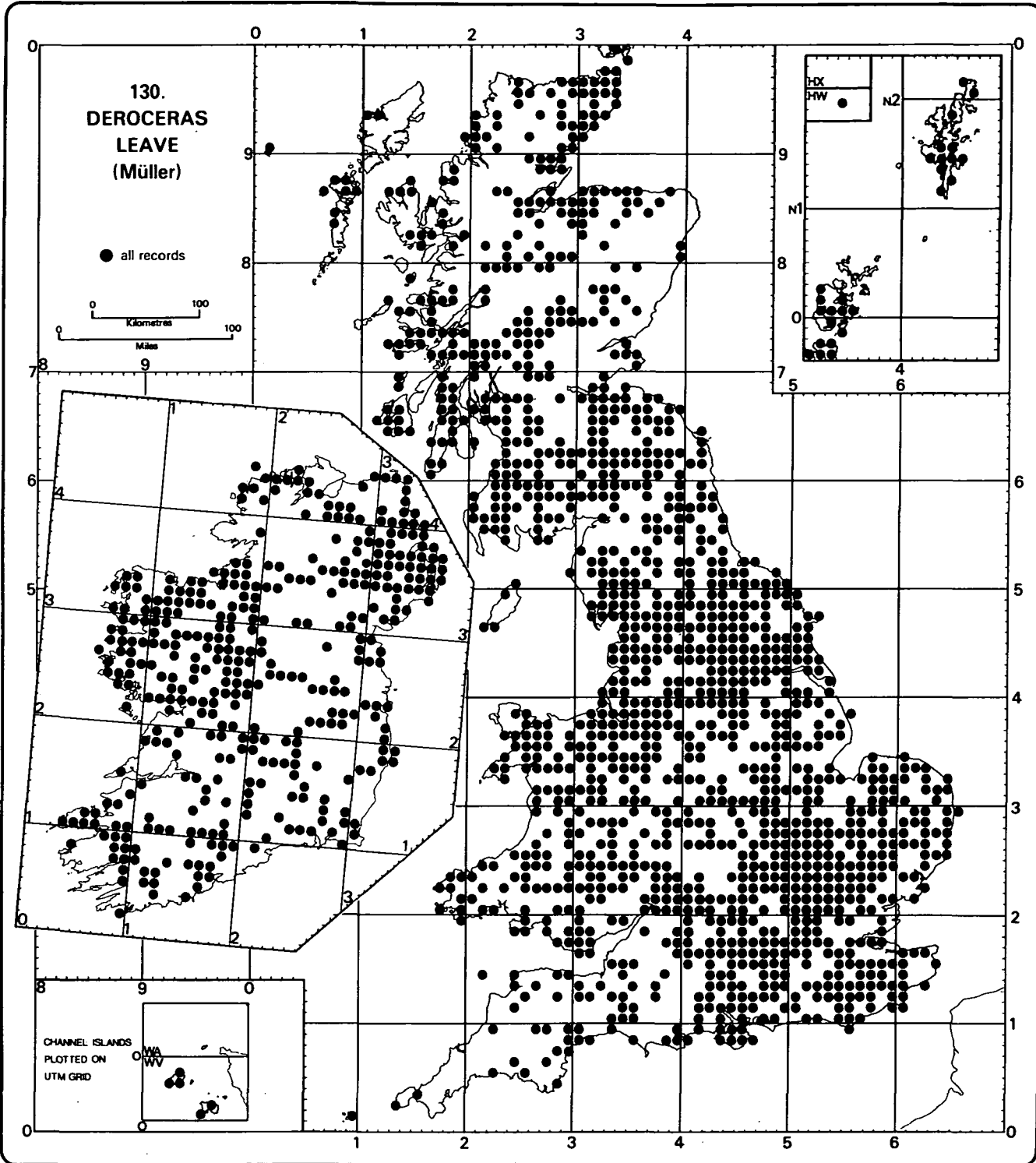
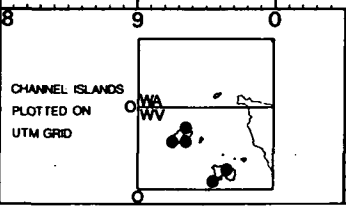
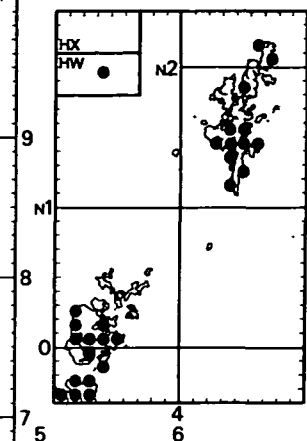
0 100
Kilometres
0 100
Miles





130.
DEROCERAS
LEAVE
(Müller)

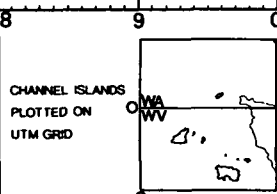
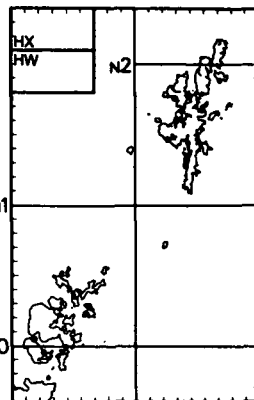
● all records



131.
DEROCERAS
AGRESTE (L.)

● all records

0 100
Kilometres
0 100
Miles

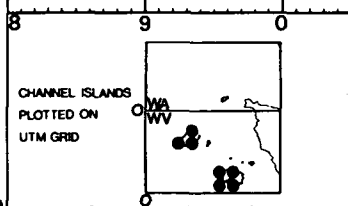
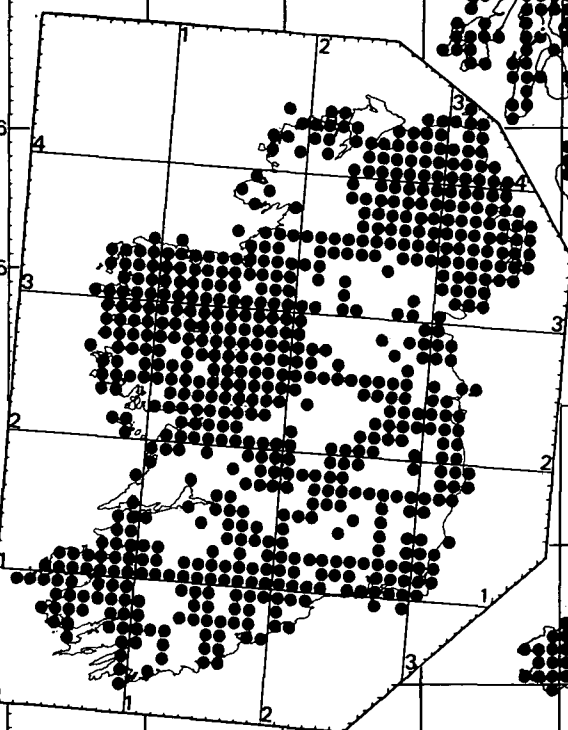


CHANNEL ISLANDS
PLOTTED ON
UTM GRID

132.
DEROCERAS
RETICULATUM
(Müller)

● all records

0 100
Kilometres
0 100
Miles

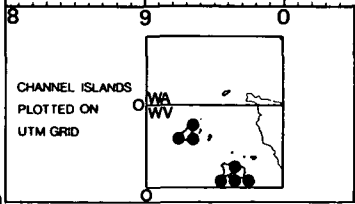
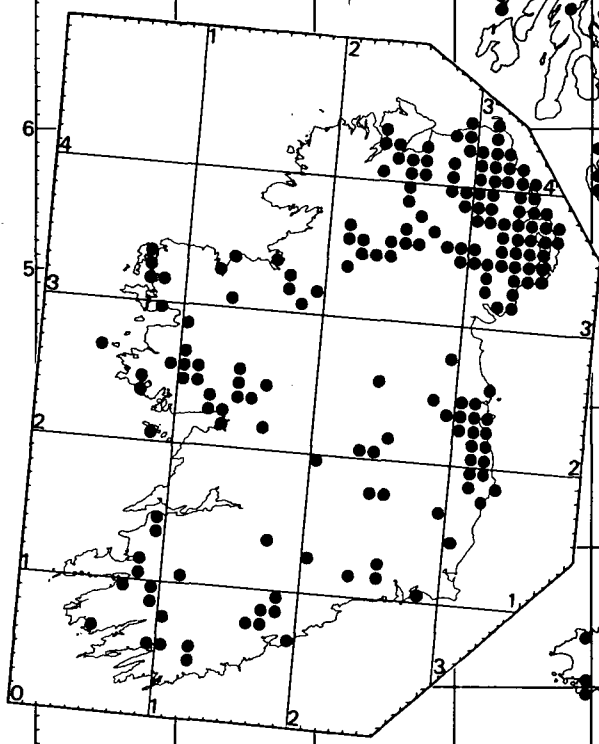
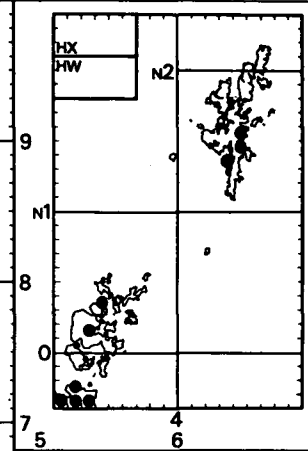


CHANNEL ISLANDS
PLOTTED ON
UTM GRID

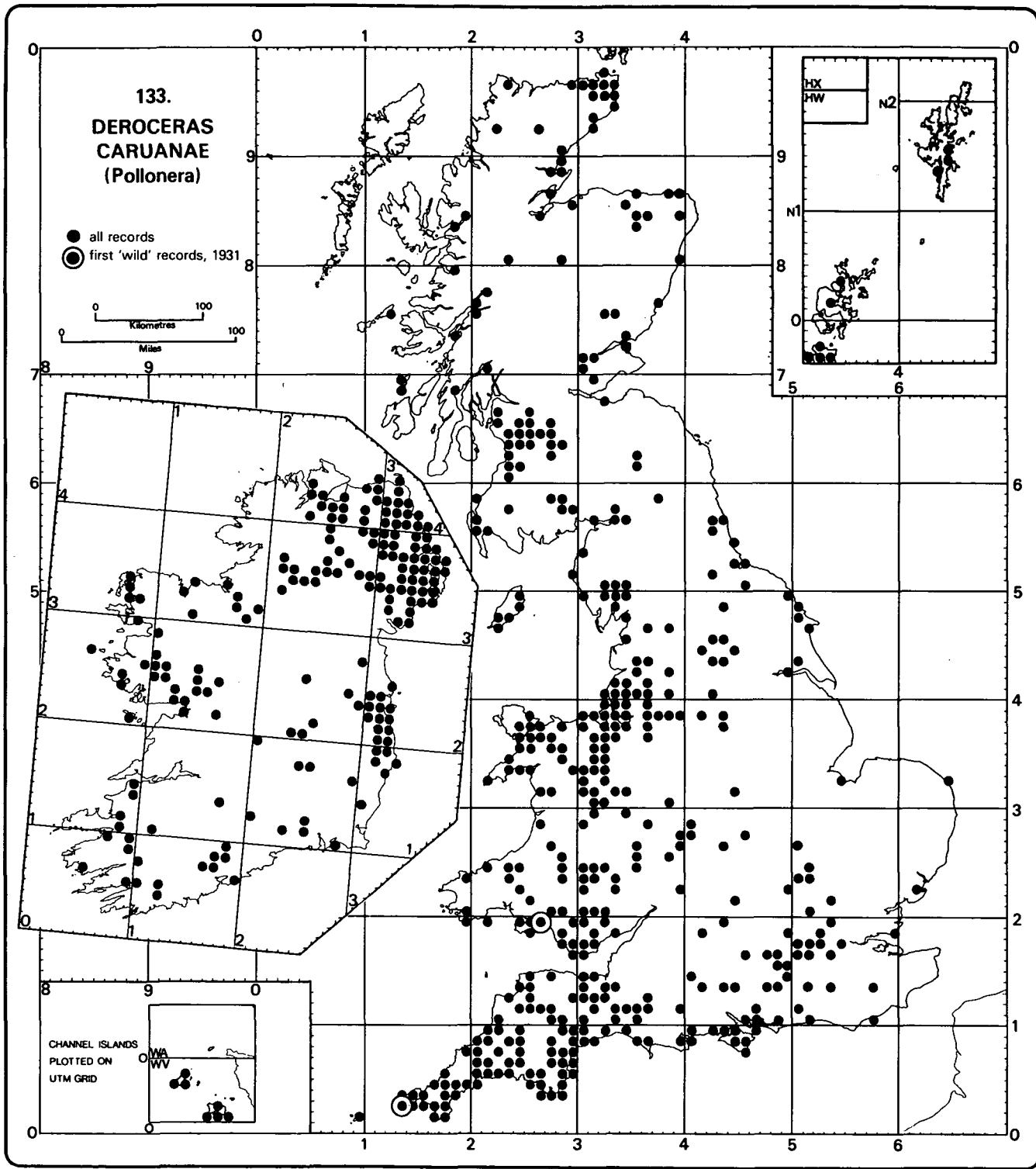
133.
DEROCERAS
CARUANAЕ
(Pollonera)

- all records
- ⊙ first 'wild' records, 1931

0 100
Kilometres
0 100
Miles

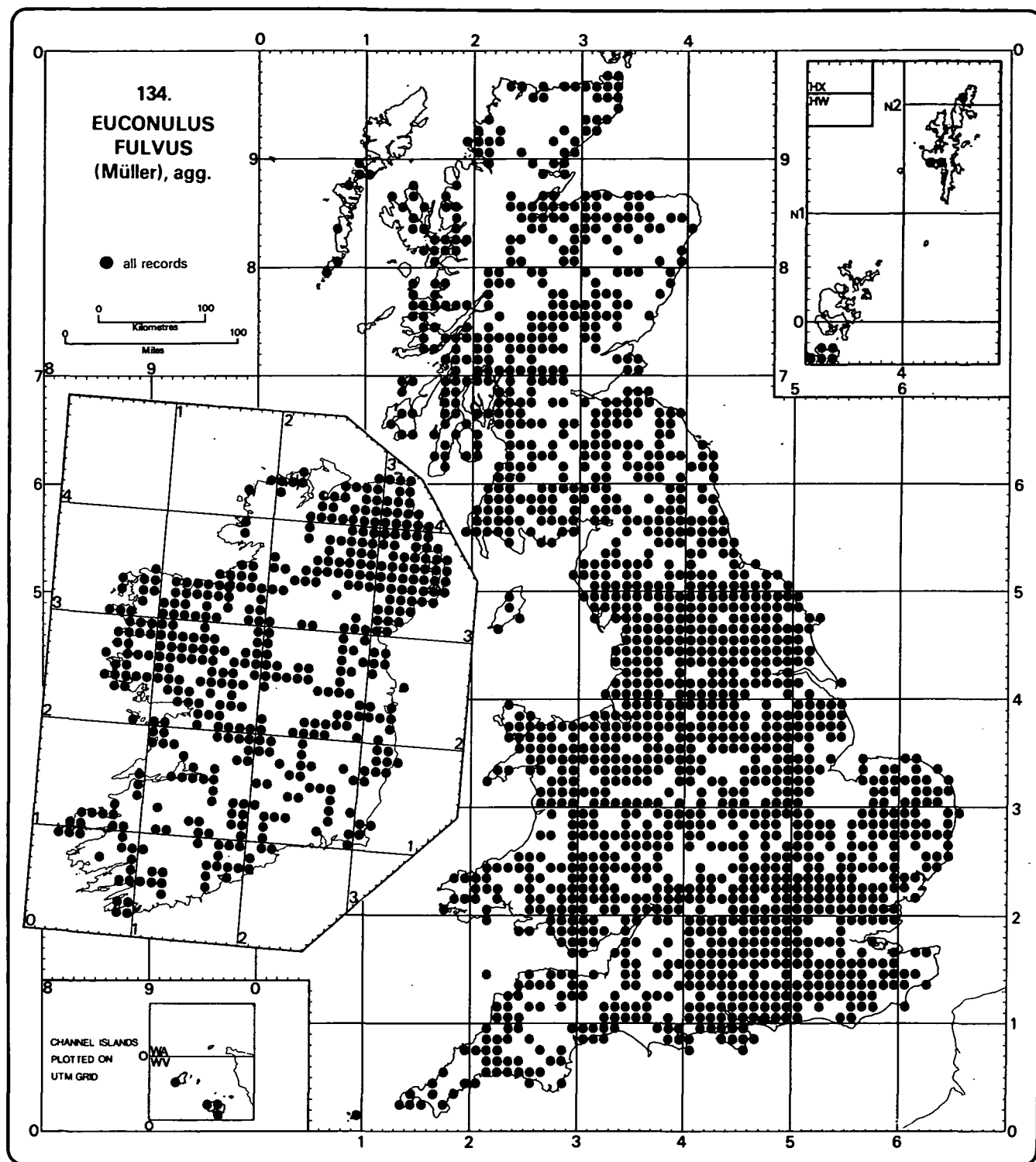
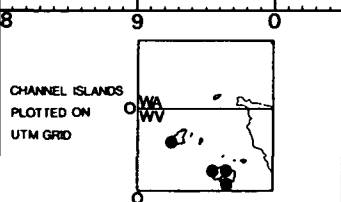
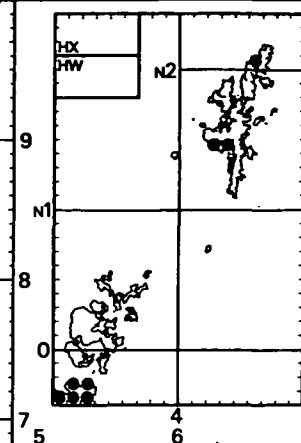


CHANNEL ISLANDS
PLOTTED ON
UTM GRID



134.
EUCONULUS
FULVUS
 (Müller), agg.

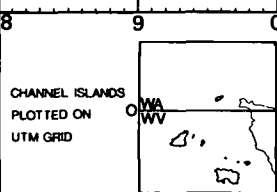
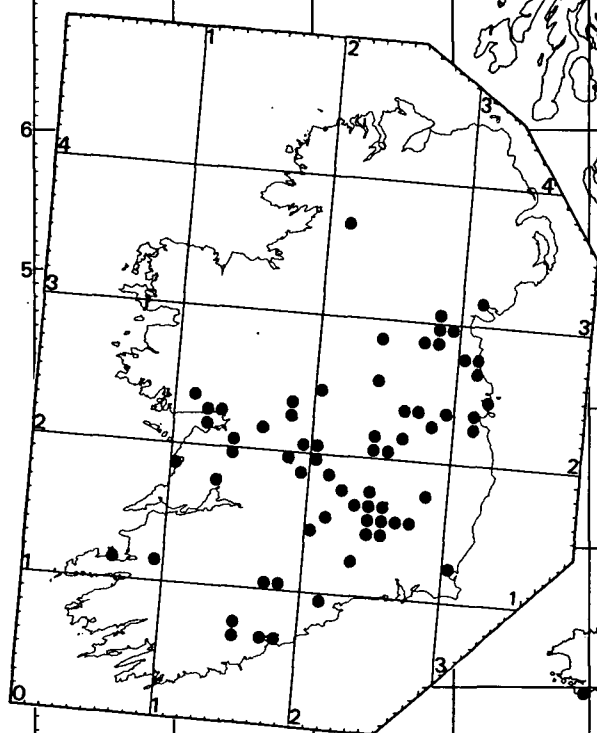
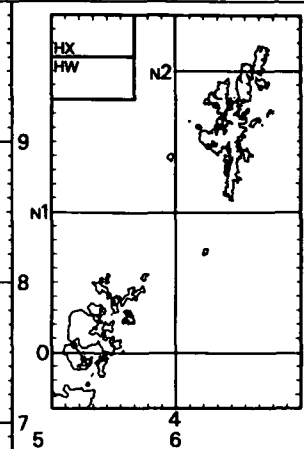
● all records



135.
CECILIOIDES
ACICULA
(Müller)

● all records

0 100
Kilometres
0 100
Miles

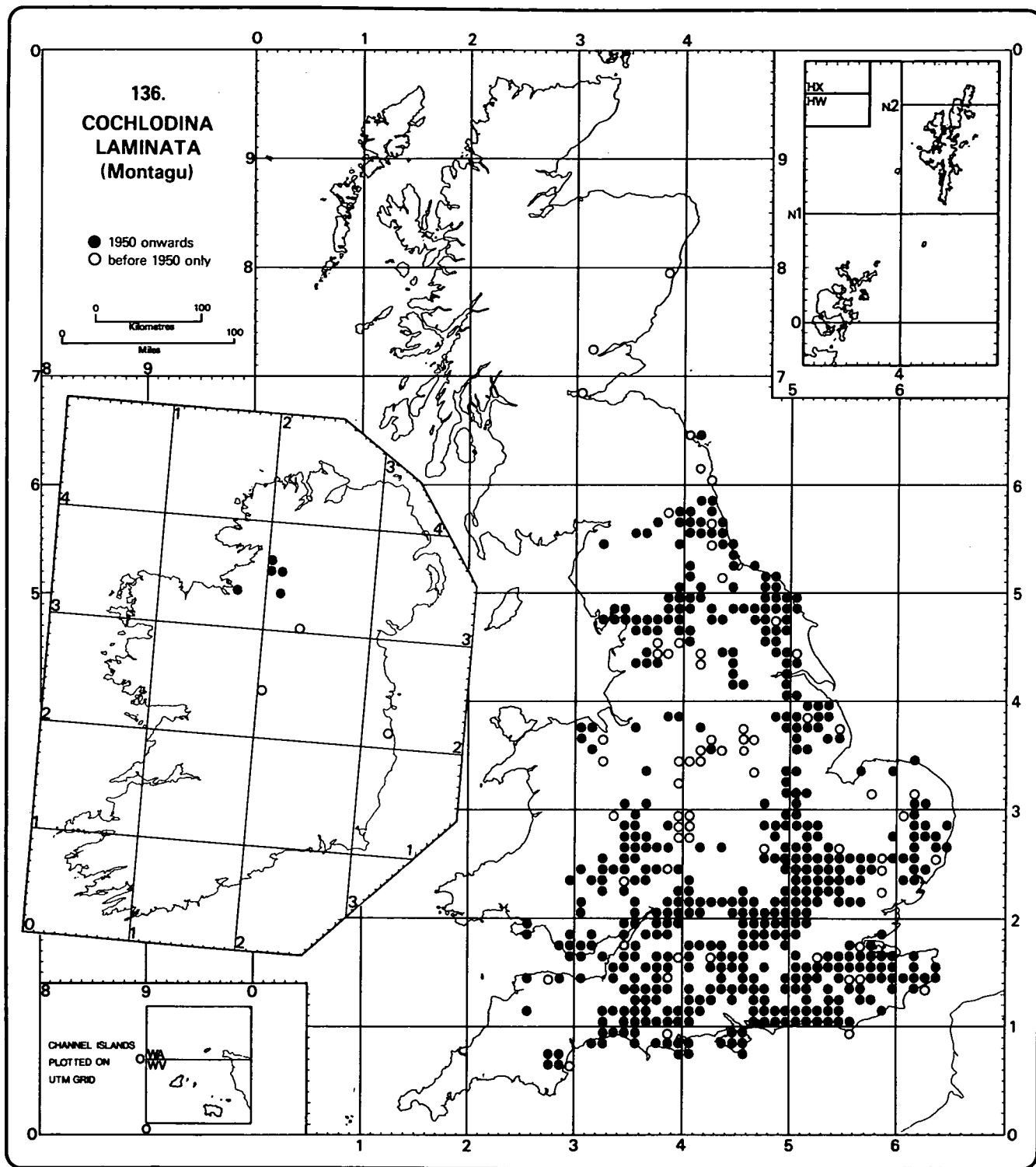
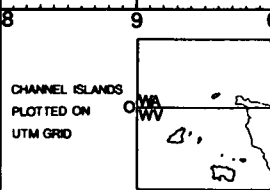
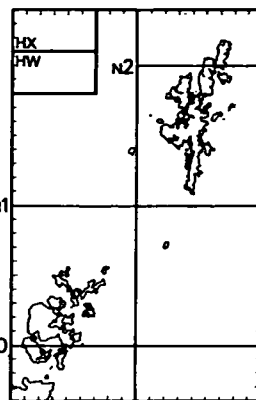


CHANNEL ISLANDS
PLOTTED ON
UTM GRID

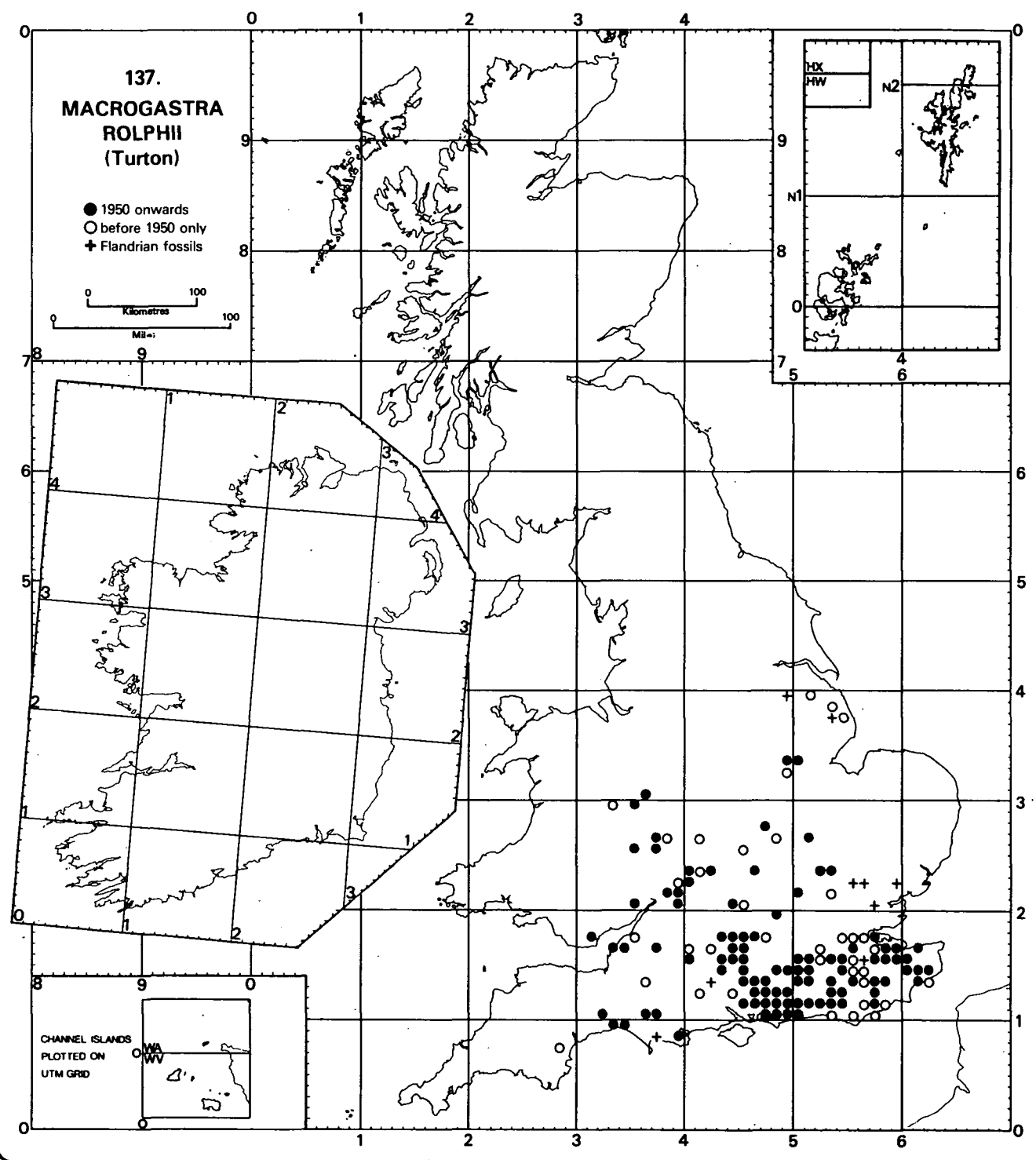
136.
COCHLODINA
LAMINATA
(Montagu)

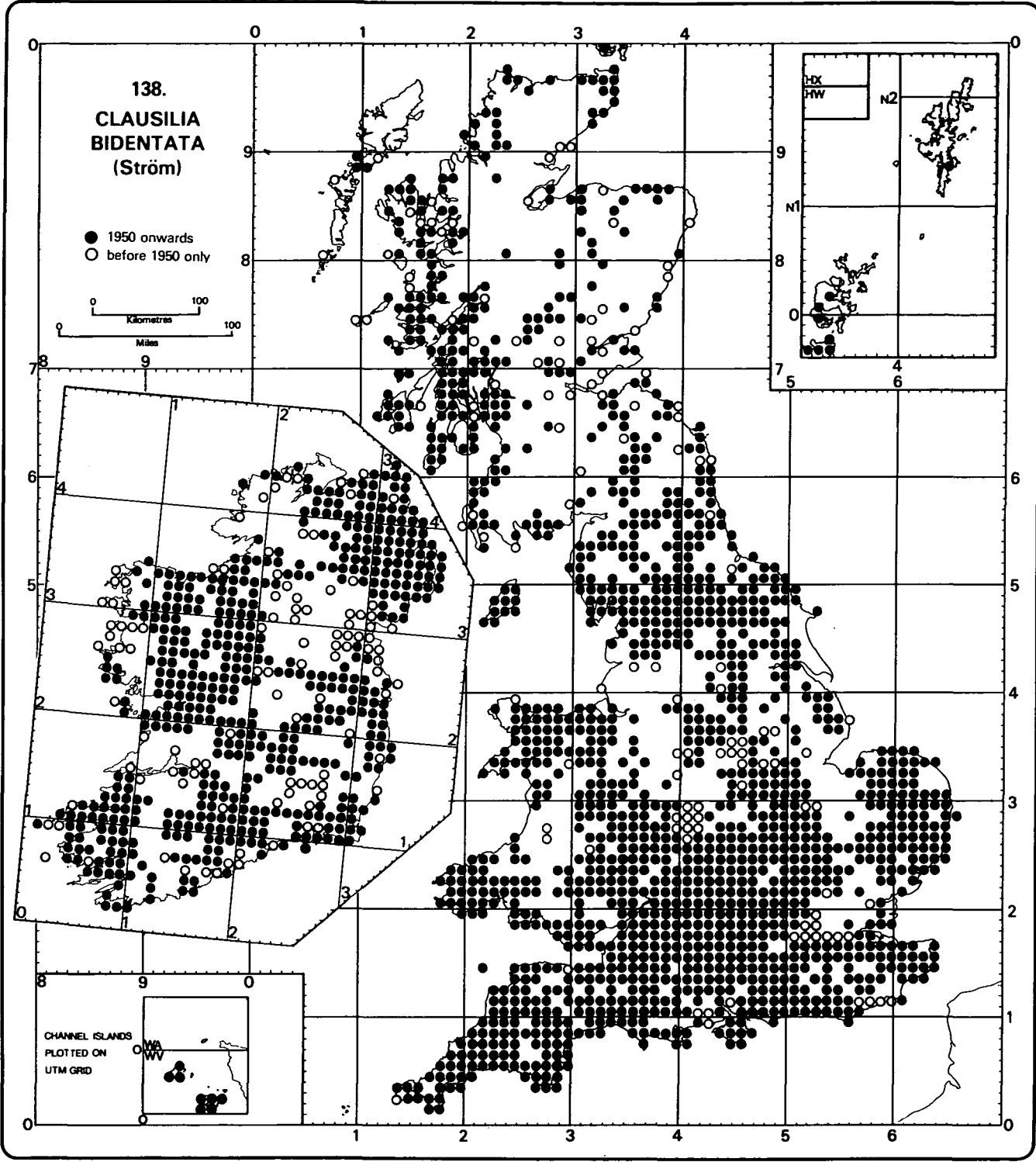
● 1950 onwards
○ before 1950 only

0 100
Kilometres
0 100
Miles



- 1950 onwards
- before 1950 only
- + Flandrian fossils

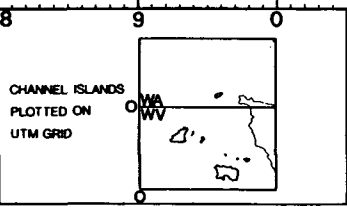
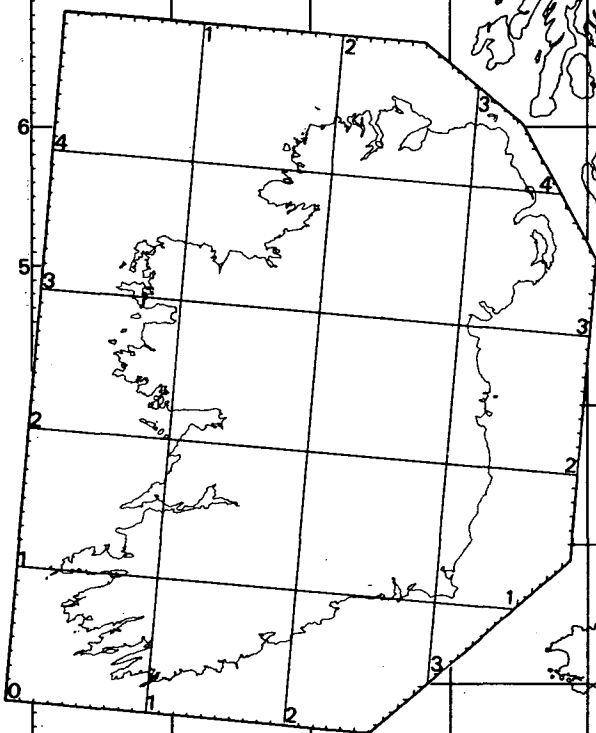
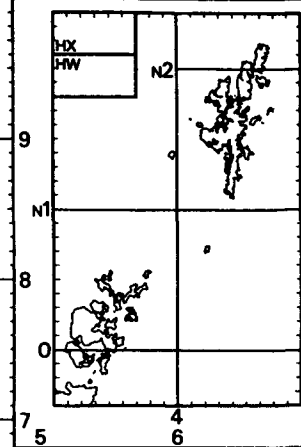




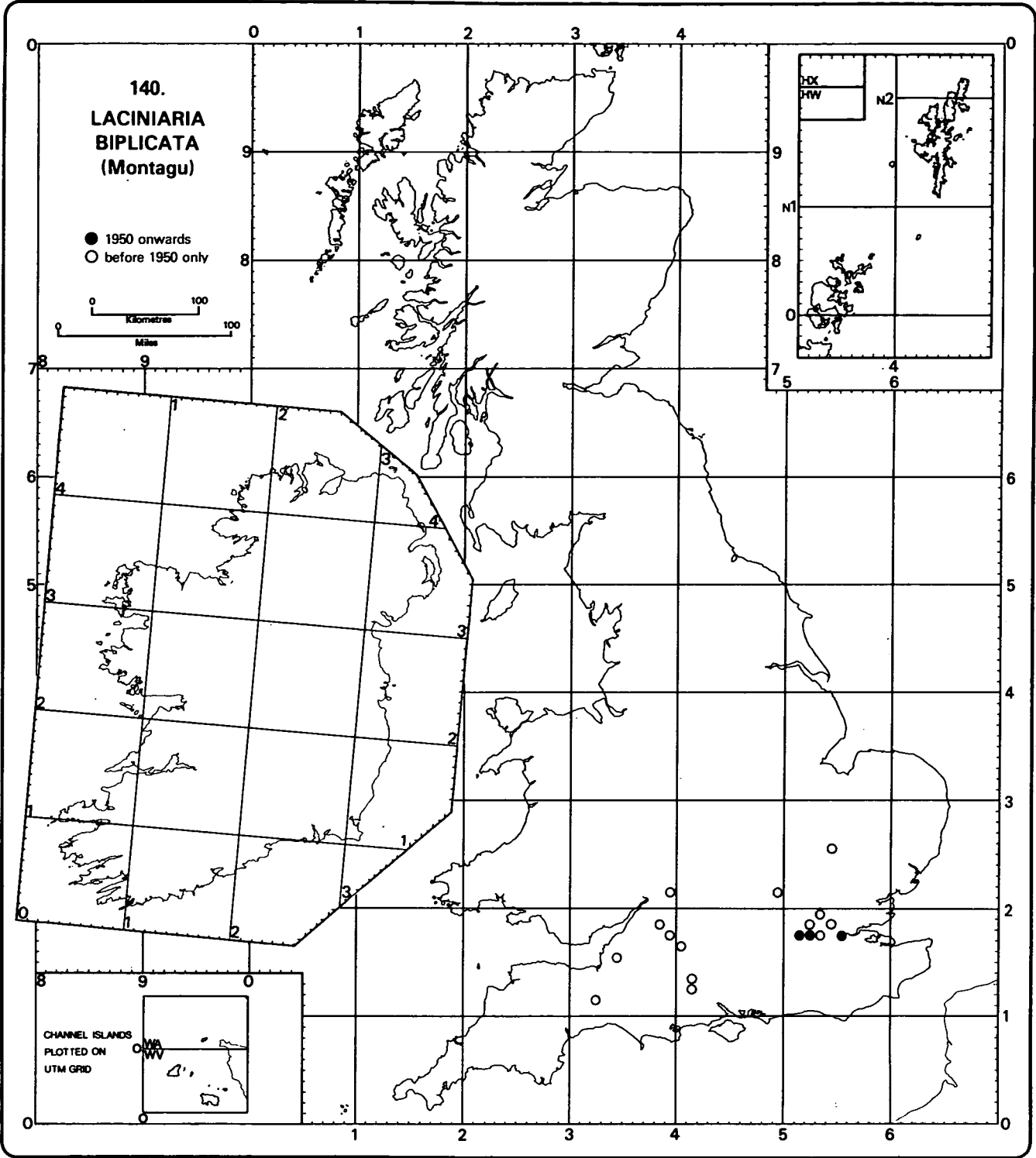
139.
CLAUSILIA
DUBIA
Draparnaud

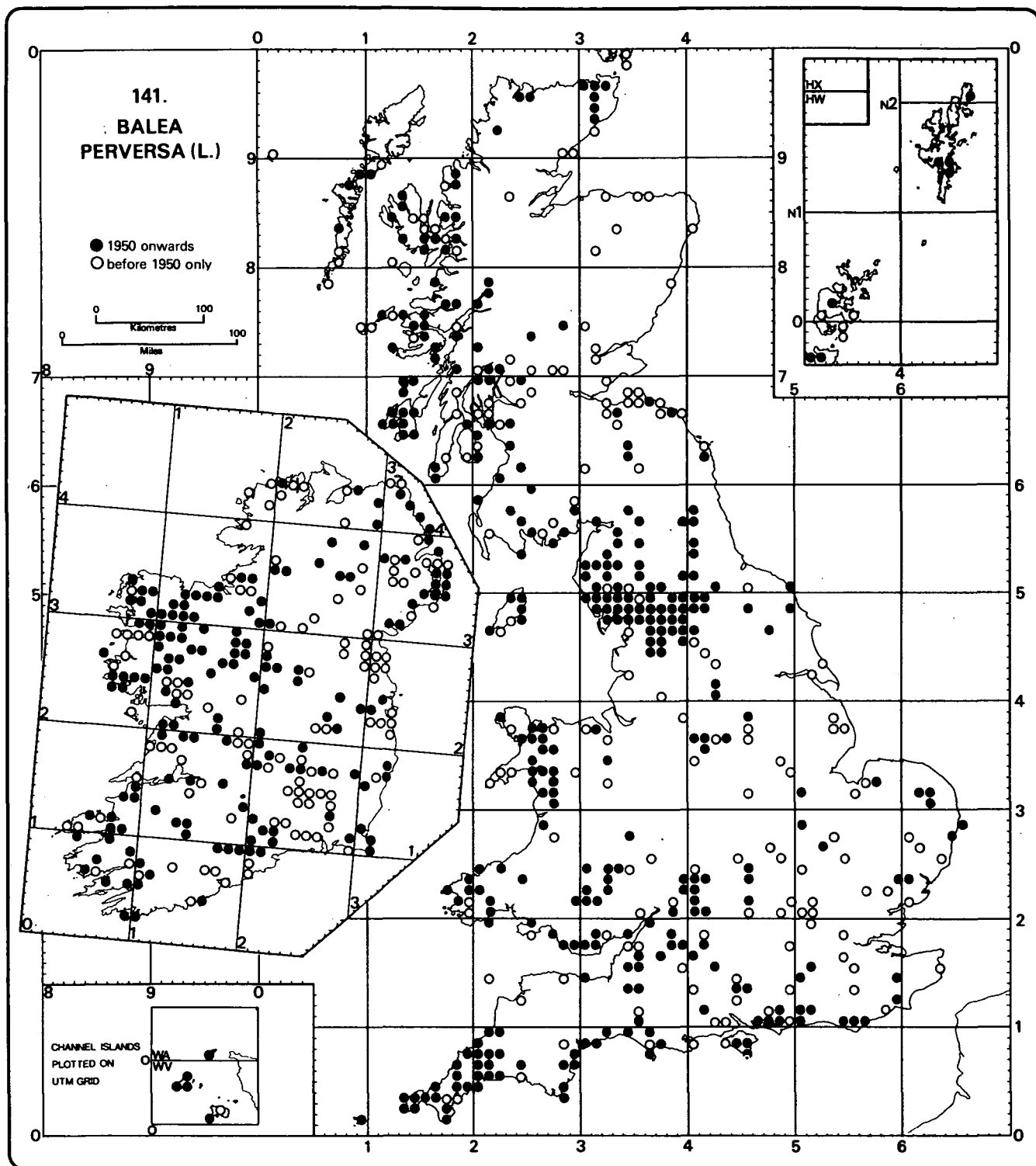
● 1950 onwards
○ before 1950 only

0 100
Kilometres
0 100
Miles



CHANNEL ISLANDS
PLOTTED ON
UTM GRID

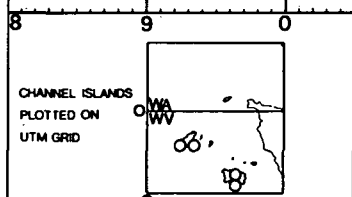
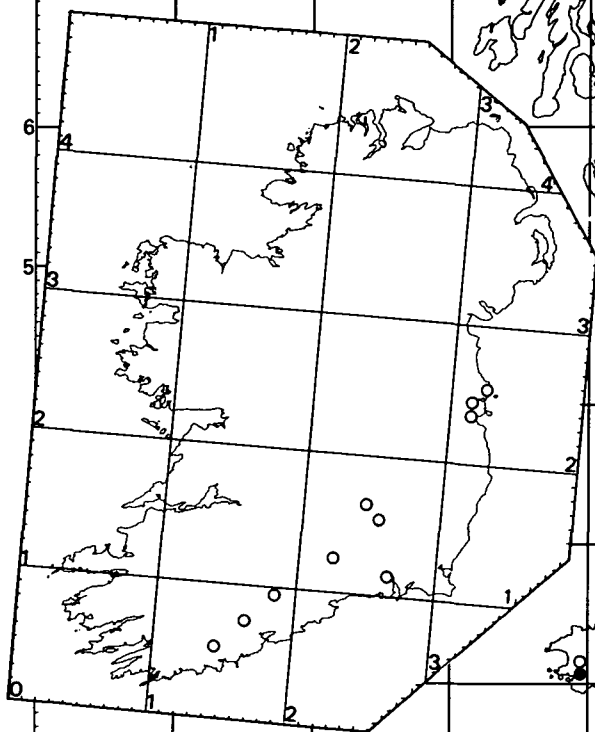
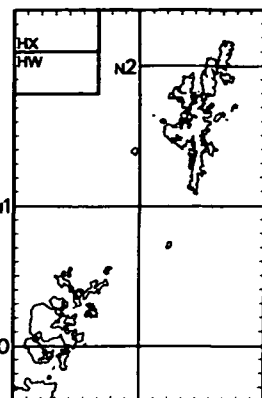




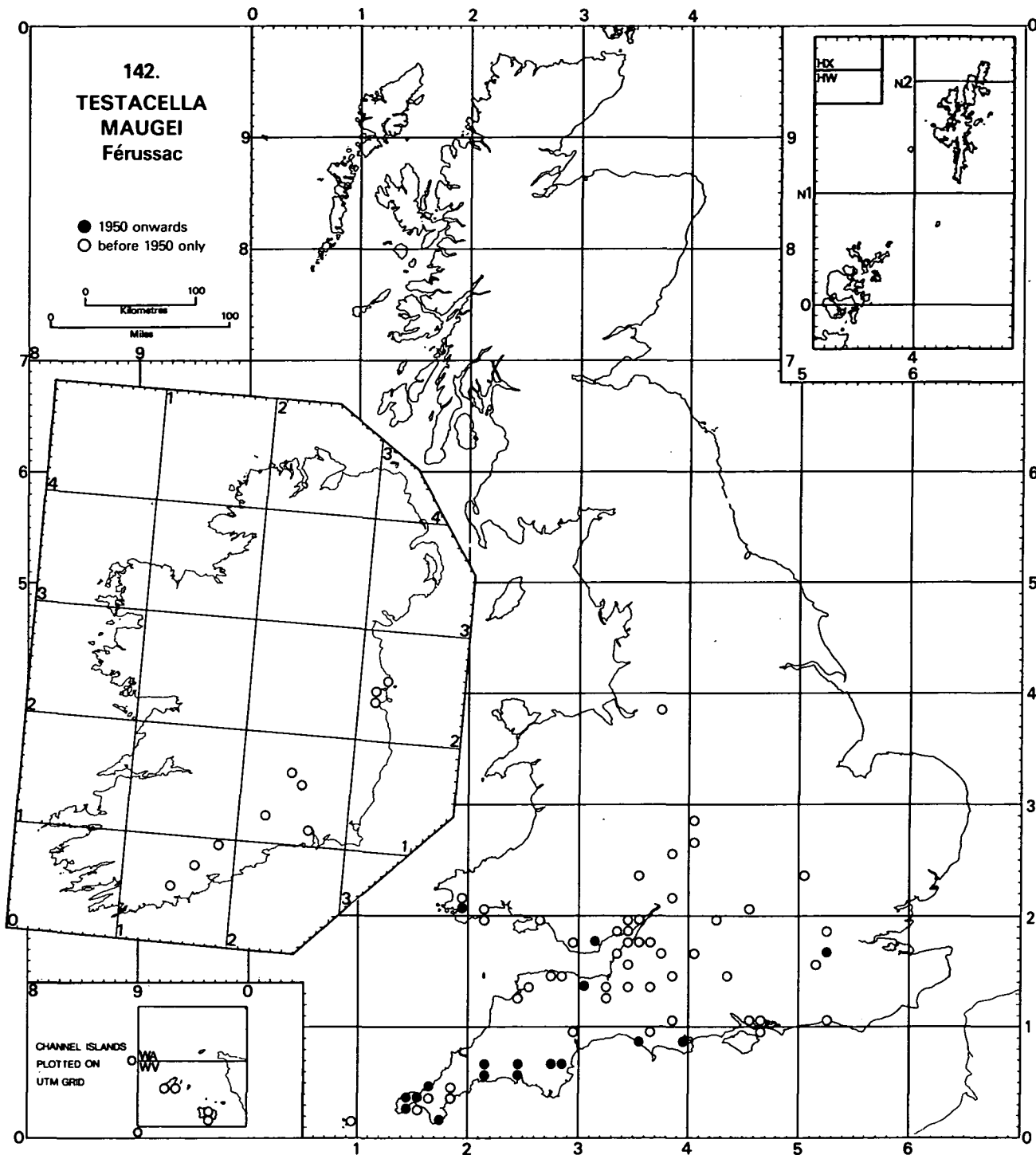
142.
TESTACELLA
MAUGEI
Férussac

● 1950 onwards
○ before 1950 only

0 100
Kilometres
0 100
Miles



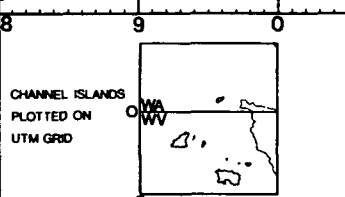
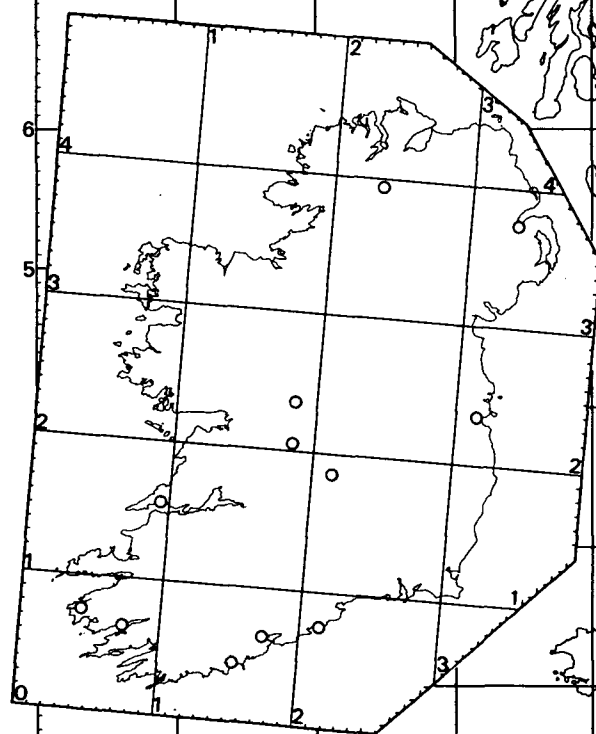
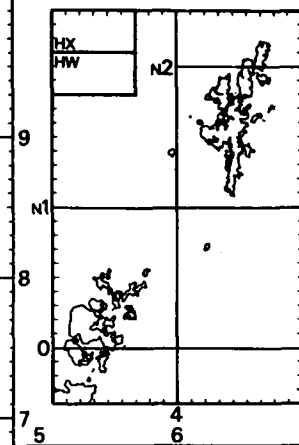
CHANNEL ISLANDS
PLOTTED ON
UTM GRID



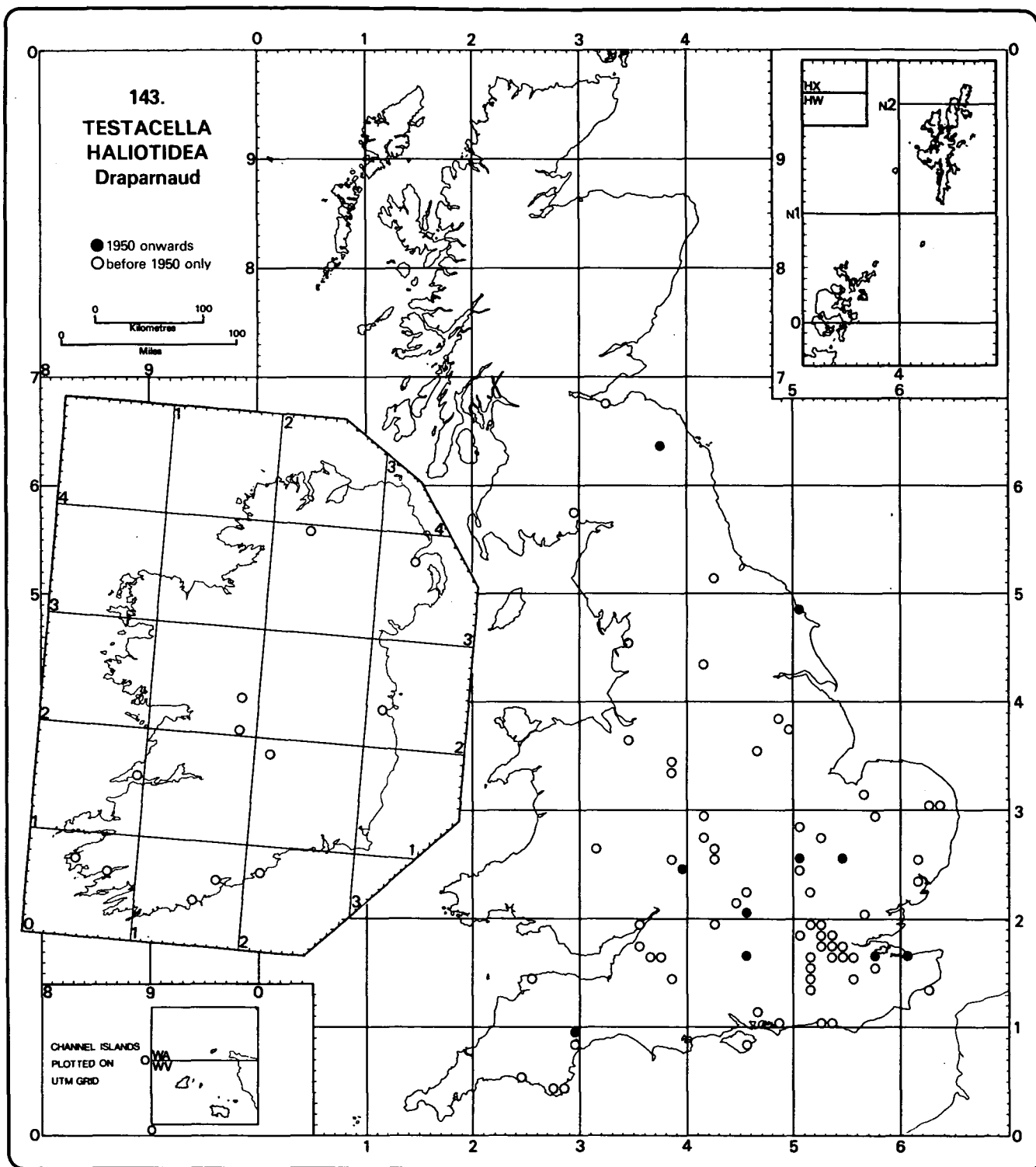
143.
TESTACELLA
HALIOTIDEA
Draparnaud

● 1950 onwards
○ before 1950 only

0 100
Kilometres
0 100
Miles



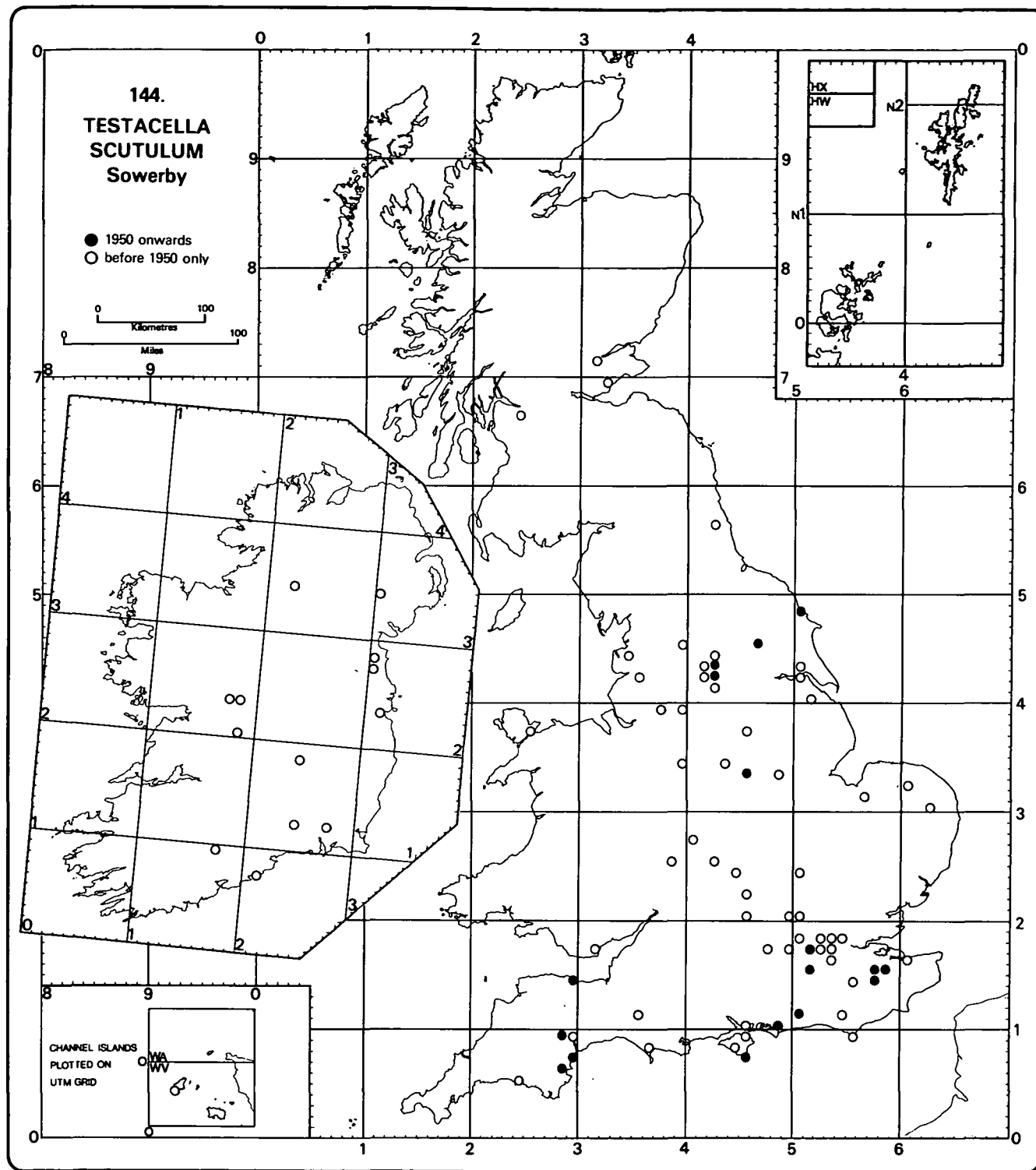
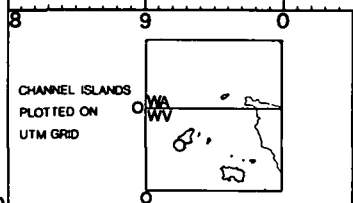
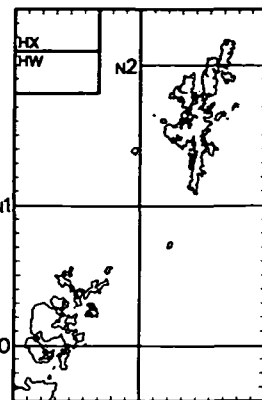
CHANNEL ISLANDS
PLOTTED ON
UTM GRID



144.
TESTACELLA
SCUTULUM
Sowerby

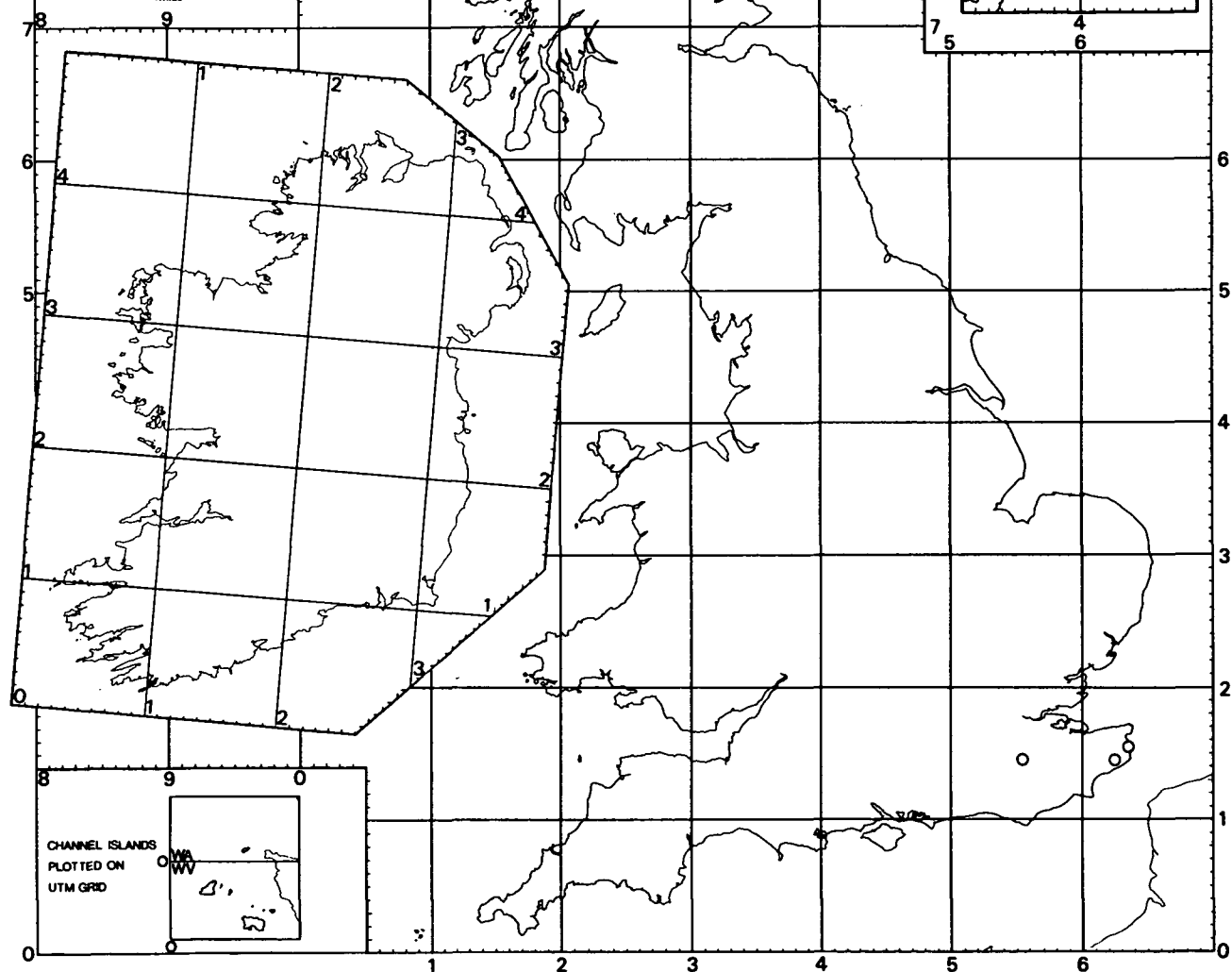
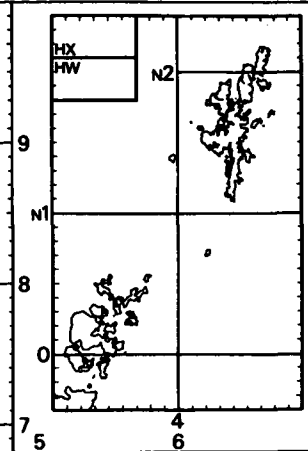
● 1950 onwards
○ before 1950 only

0 100
Kilometres
0 100
Miles



145.
BRADYBAENA
FRUTICUM
(Müller)

○ before 1950 only



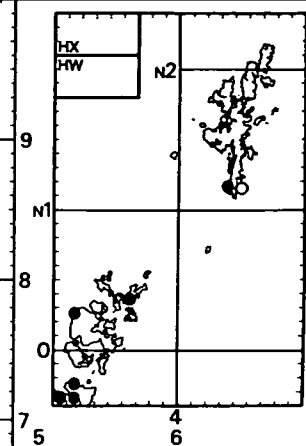
CHANNEL ISLANDS
PLOTTED ON
UTM GRID



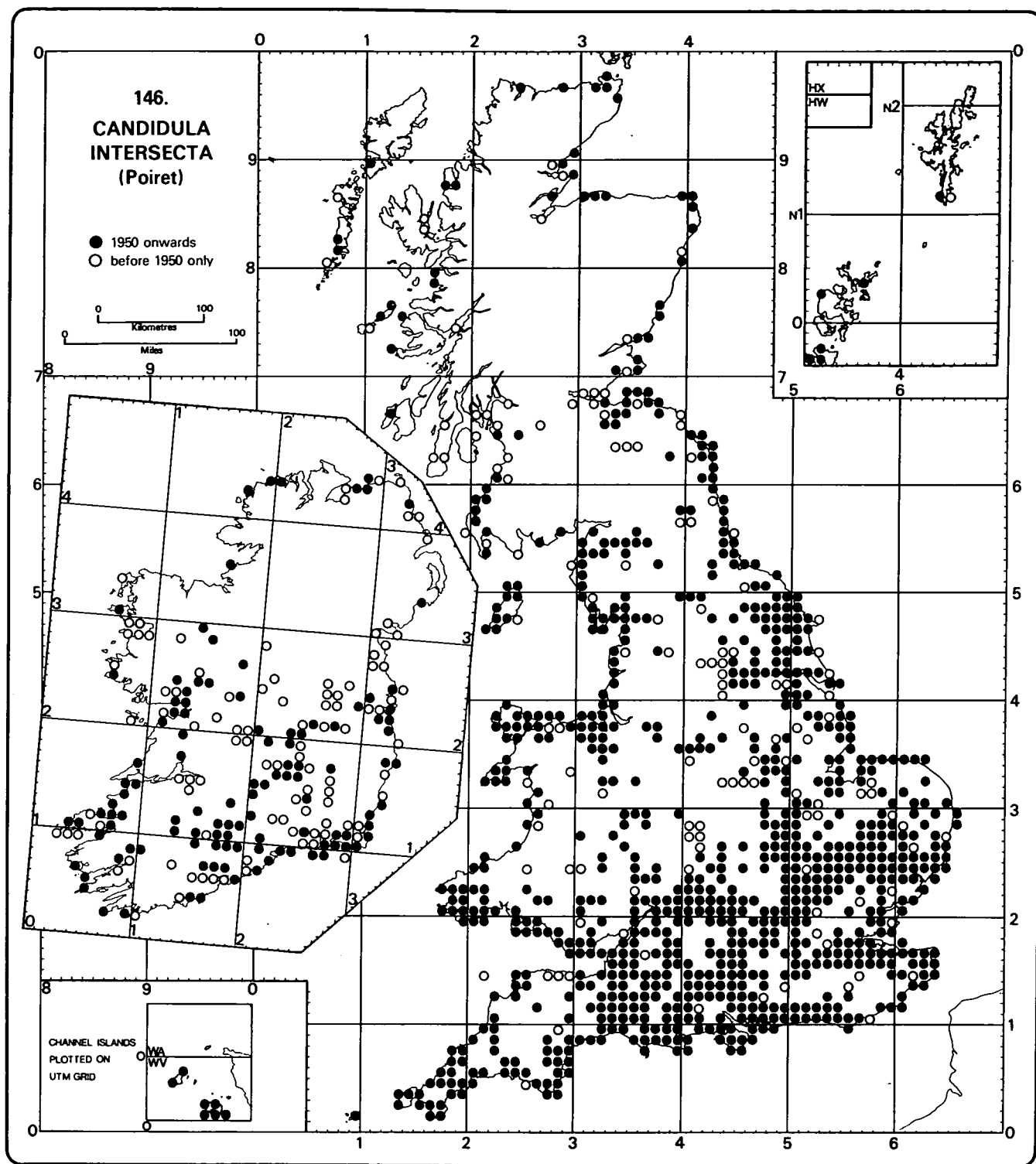
146.
CANDIDULA
INTERSECTA
(Poiret)

● 1950 onwards
○ before 1950 only

0 100
Kilometres
0 100
Miles



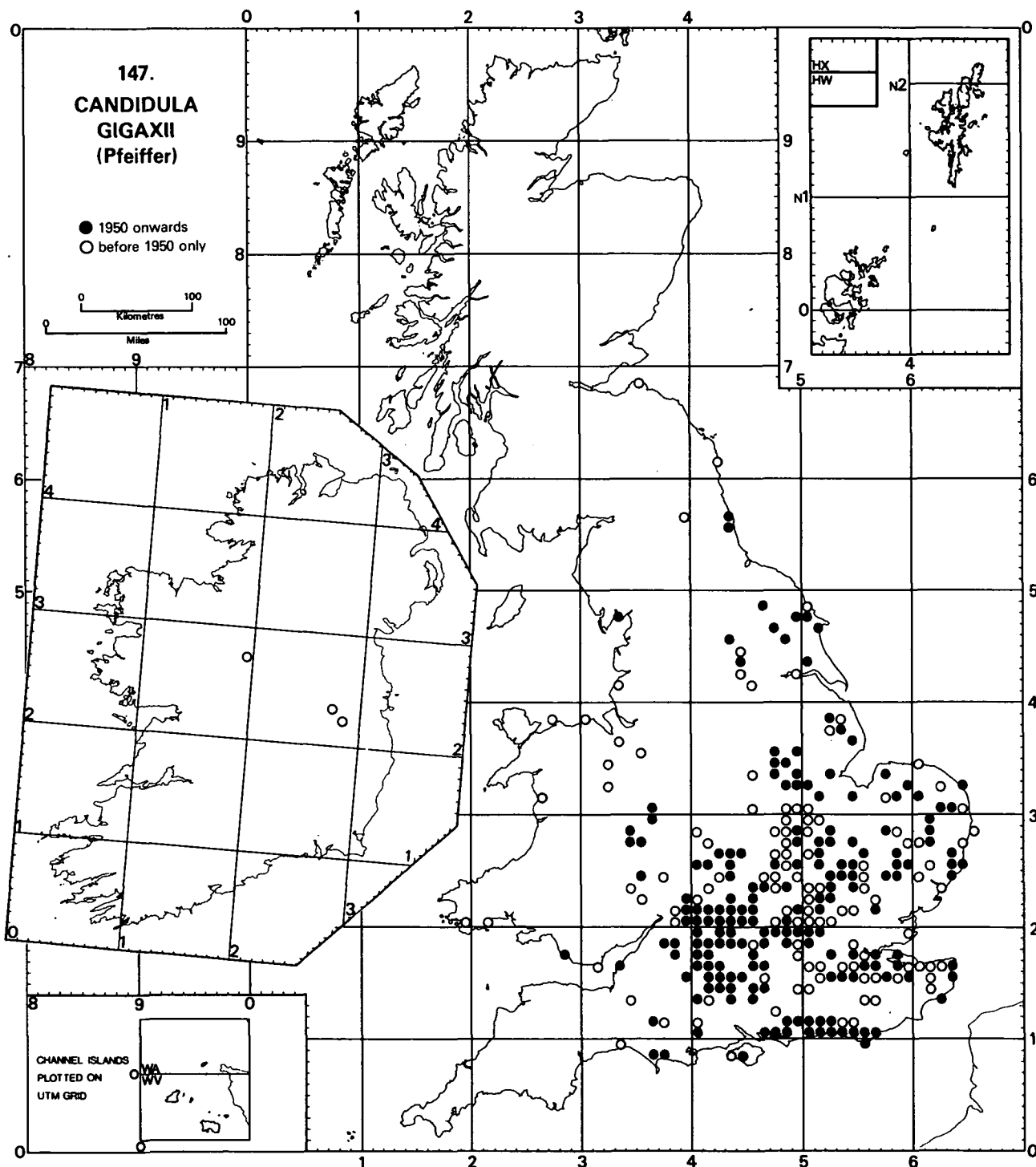
CHANNEL ISLANDS
PLOTTED ON
UTM GRID



147.
CANDIDULA
GIGAXII
(Pfeiffer)

● 1950 onwards
○ before 1950 only

0 100
Kilometres
0 100
Miles

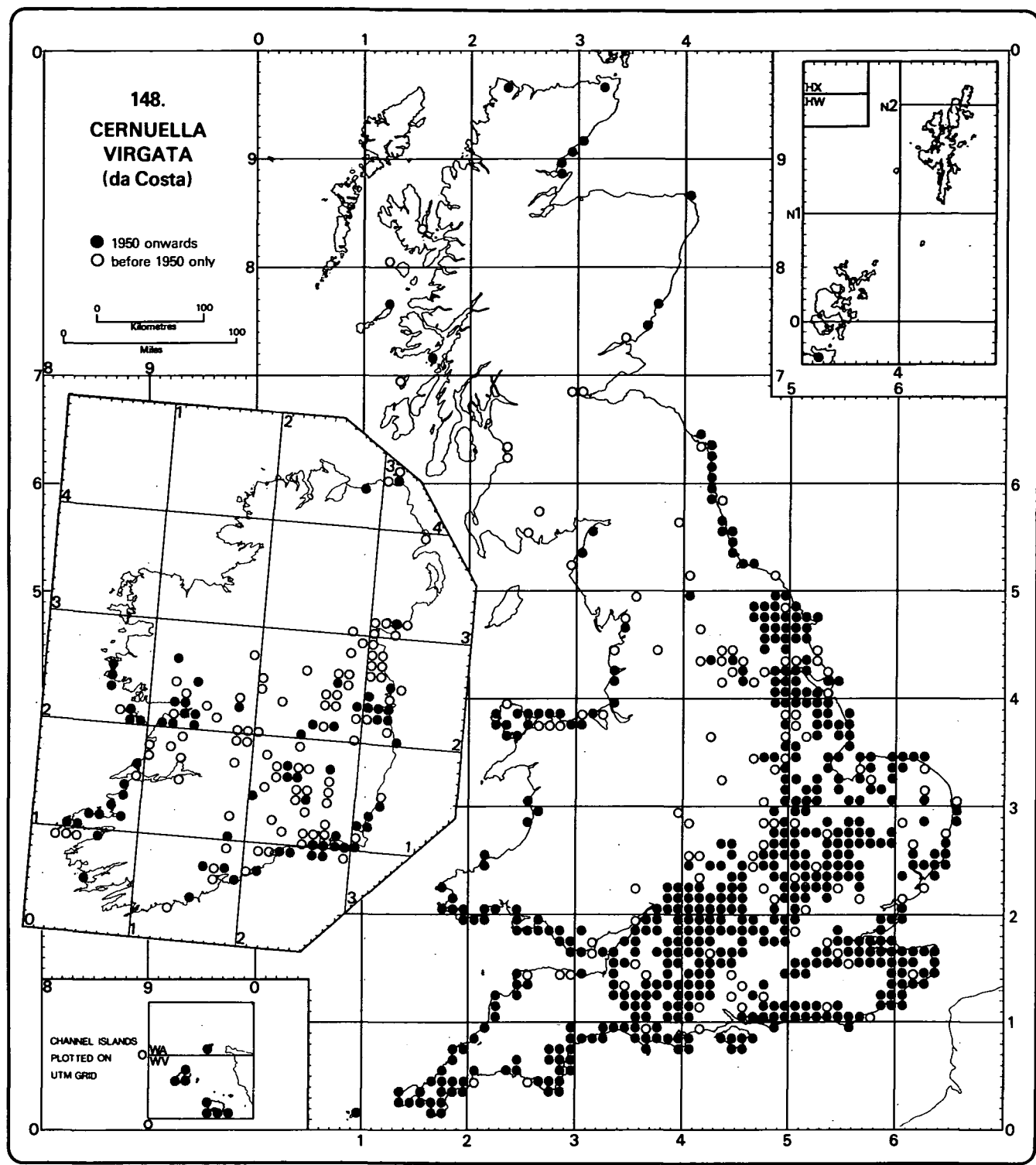
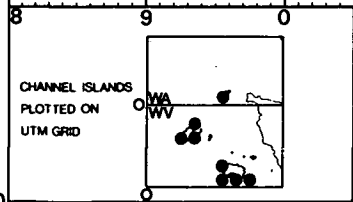
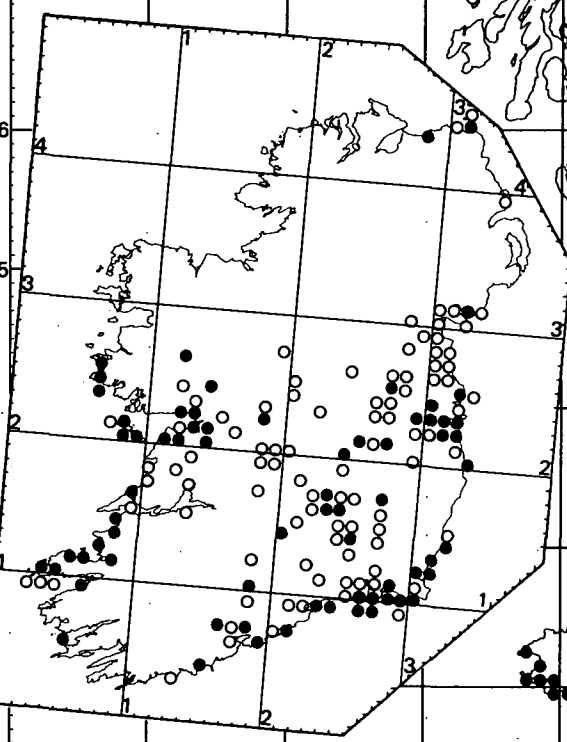
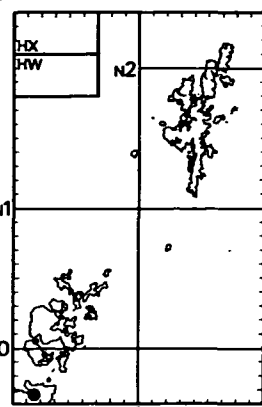


CHANNEL ISLANDS
PLOTTED ON
UTM GRID

148.
CERNUELLA
VIRGATA
(da Costa)

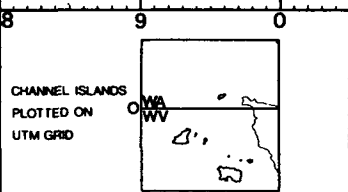
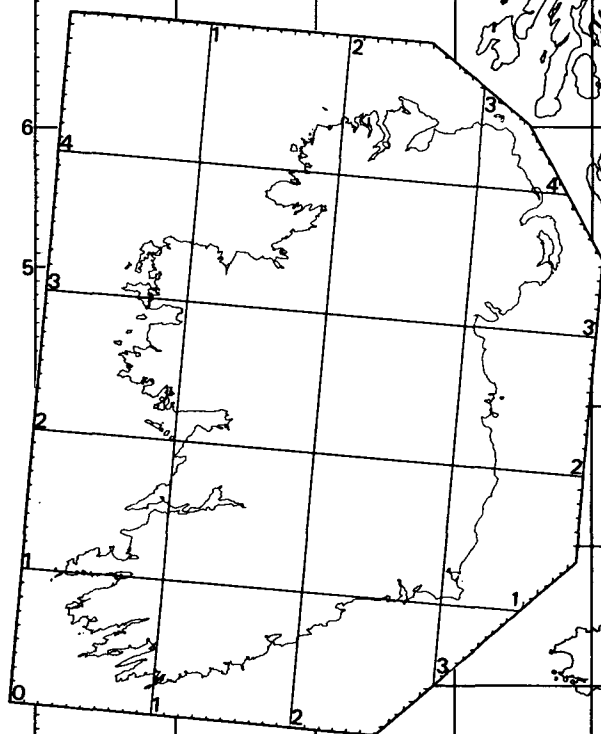
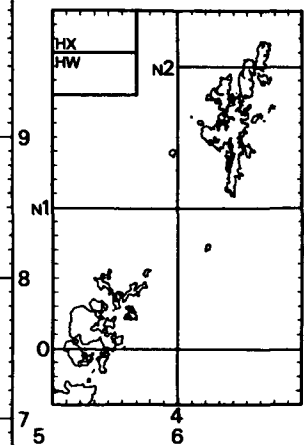
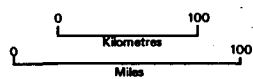
● 1950 onwards
○ before 1950 only

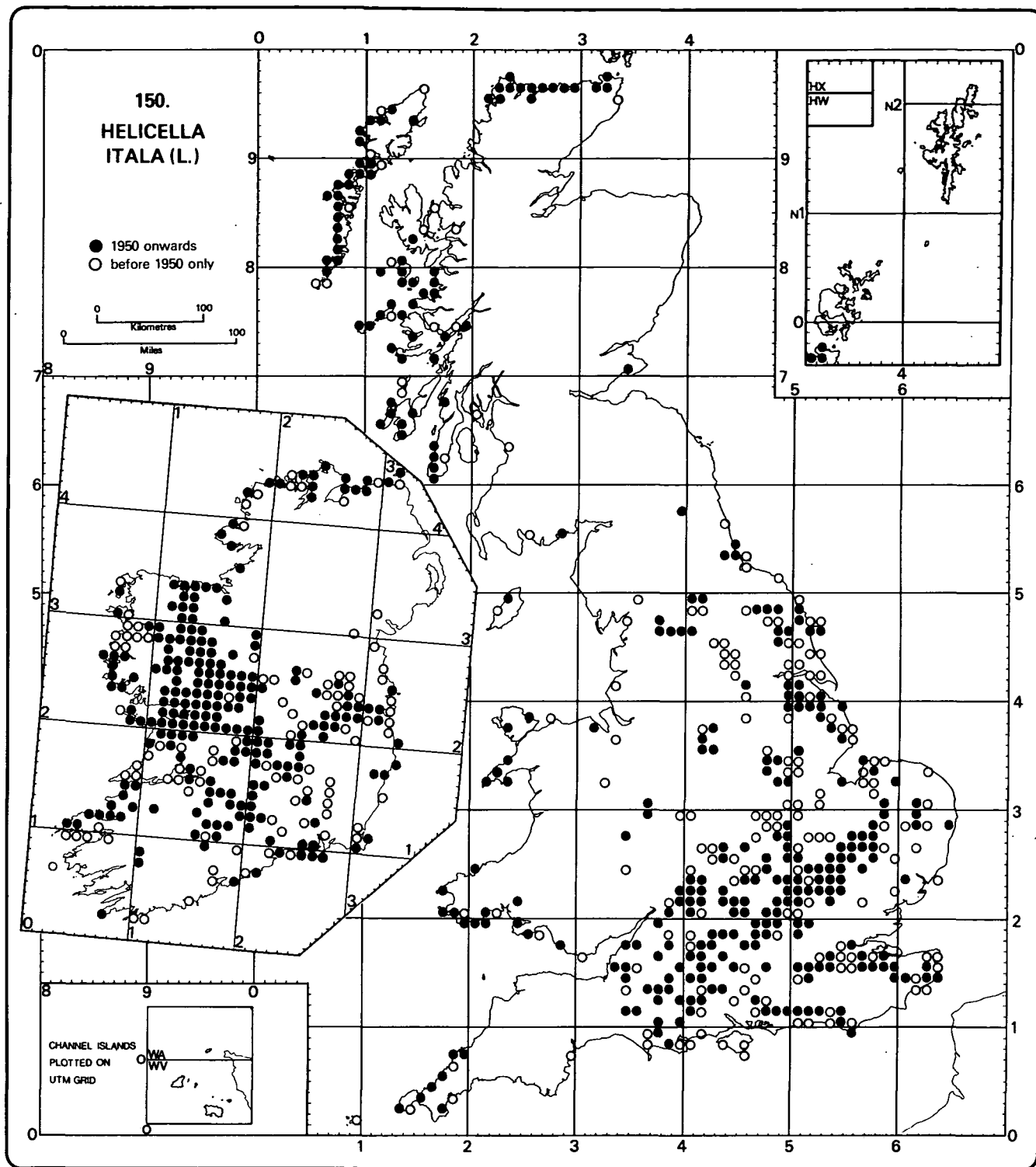
0 100
Kilometres
0 100
Miles



149.
CERNUELLA
NEGLECTA
(Draparnaud)

○ before 1950 only

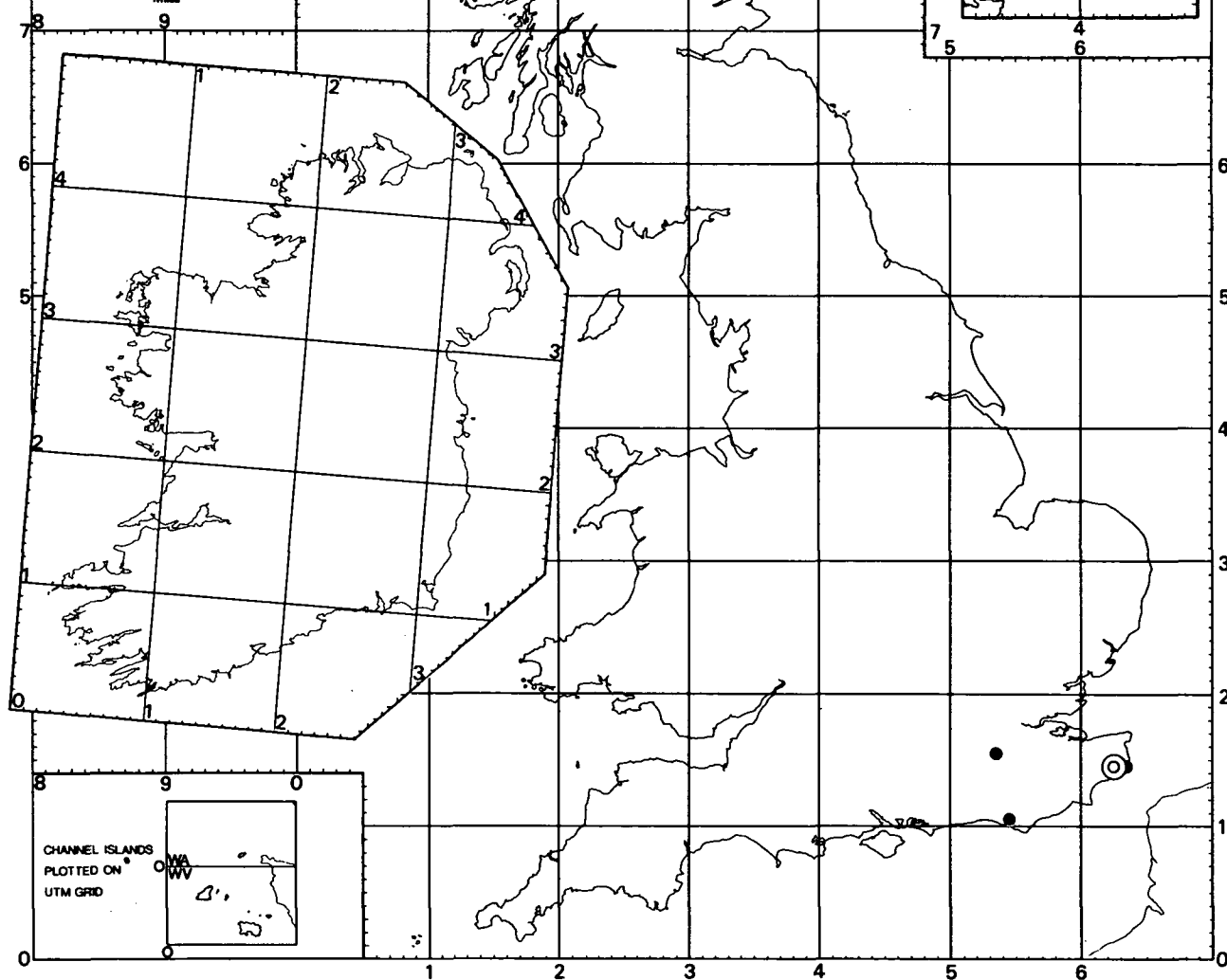
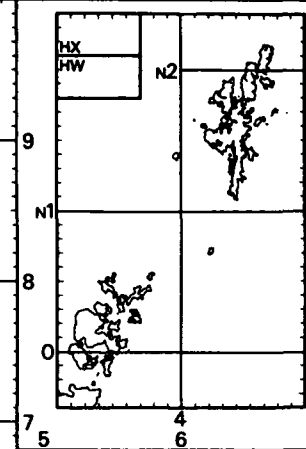




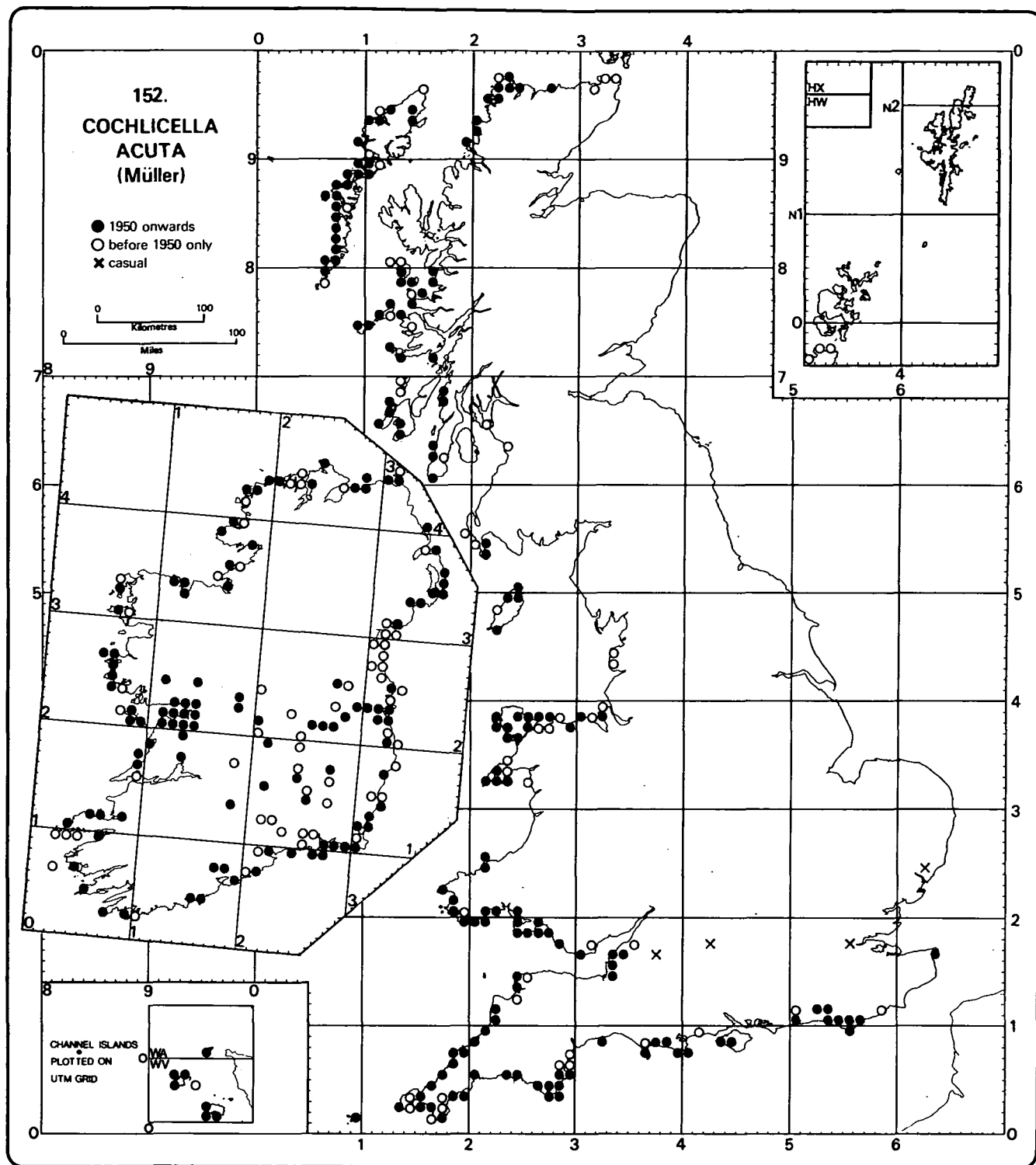
151.
TROCHOIDEA
ELEGANS
(Gmelin)

- 1950 onwards
- ⊙ first record, 1890

0 100
Kilometres
0 100
Miles



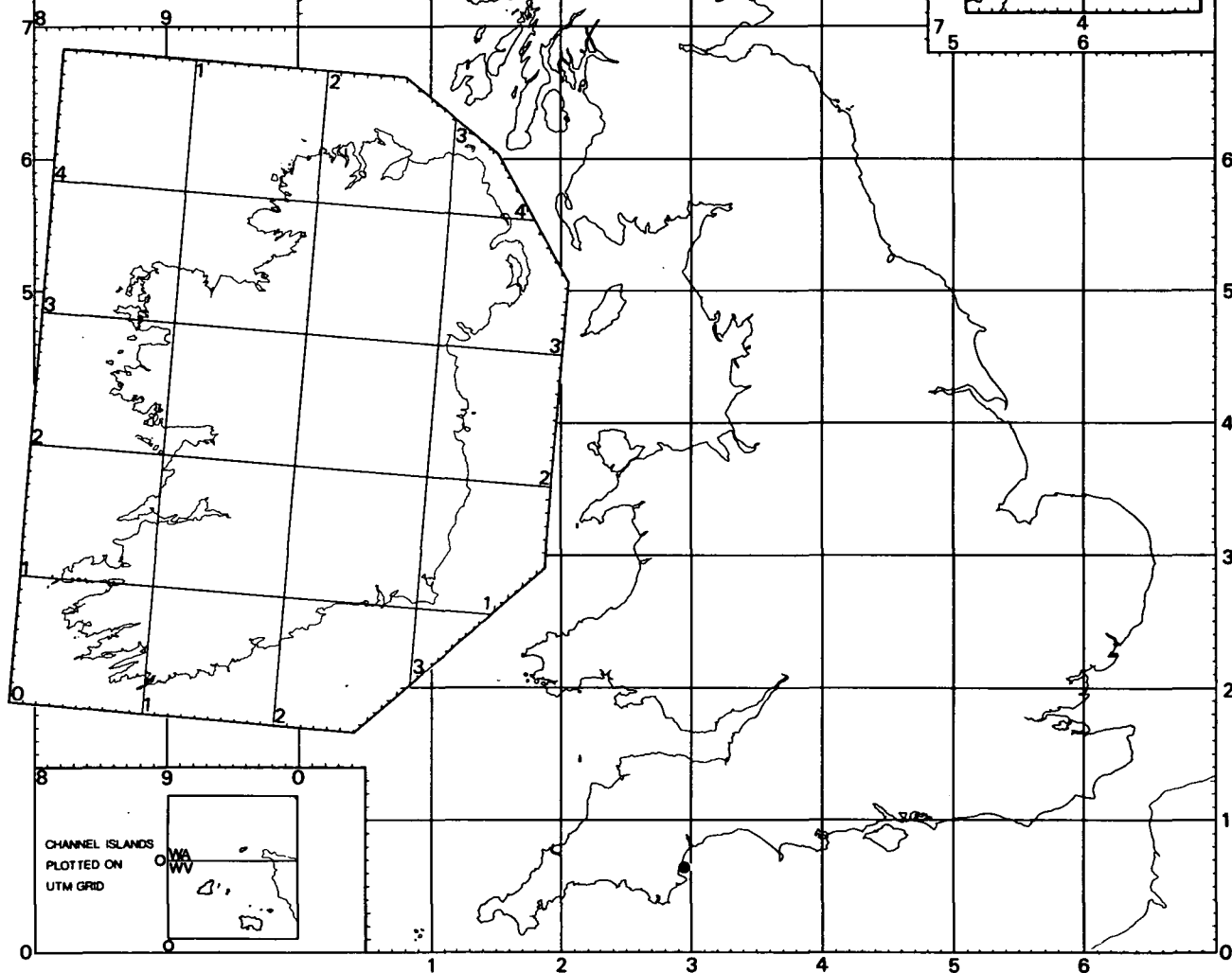
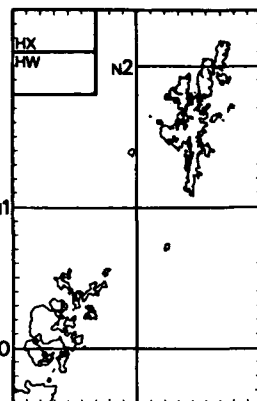
CHANNEL ISLANDS
PLOTTED ON
UTM GRID



153.
COCHLICELLA
BARBARA (L.)

● 1975 onwards

0 100
Kilometres
0 100
Miles

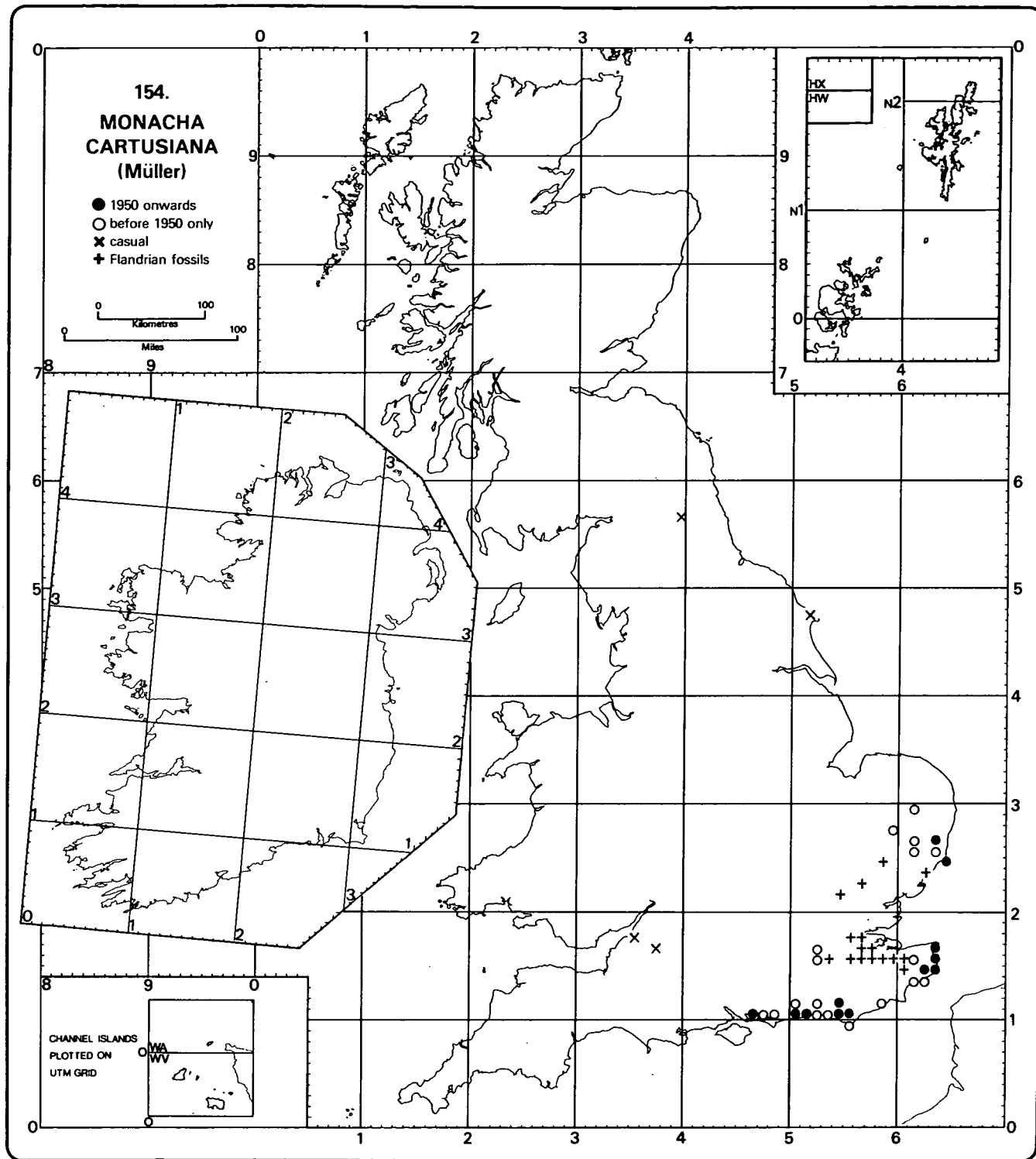
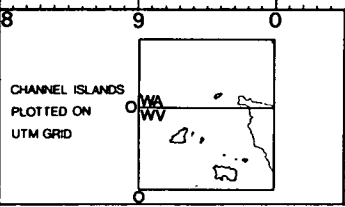
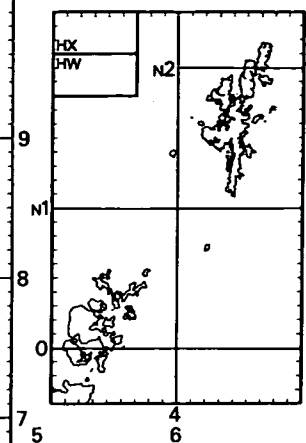


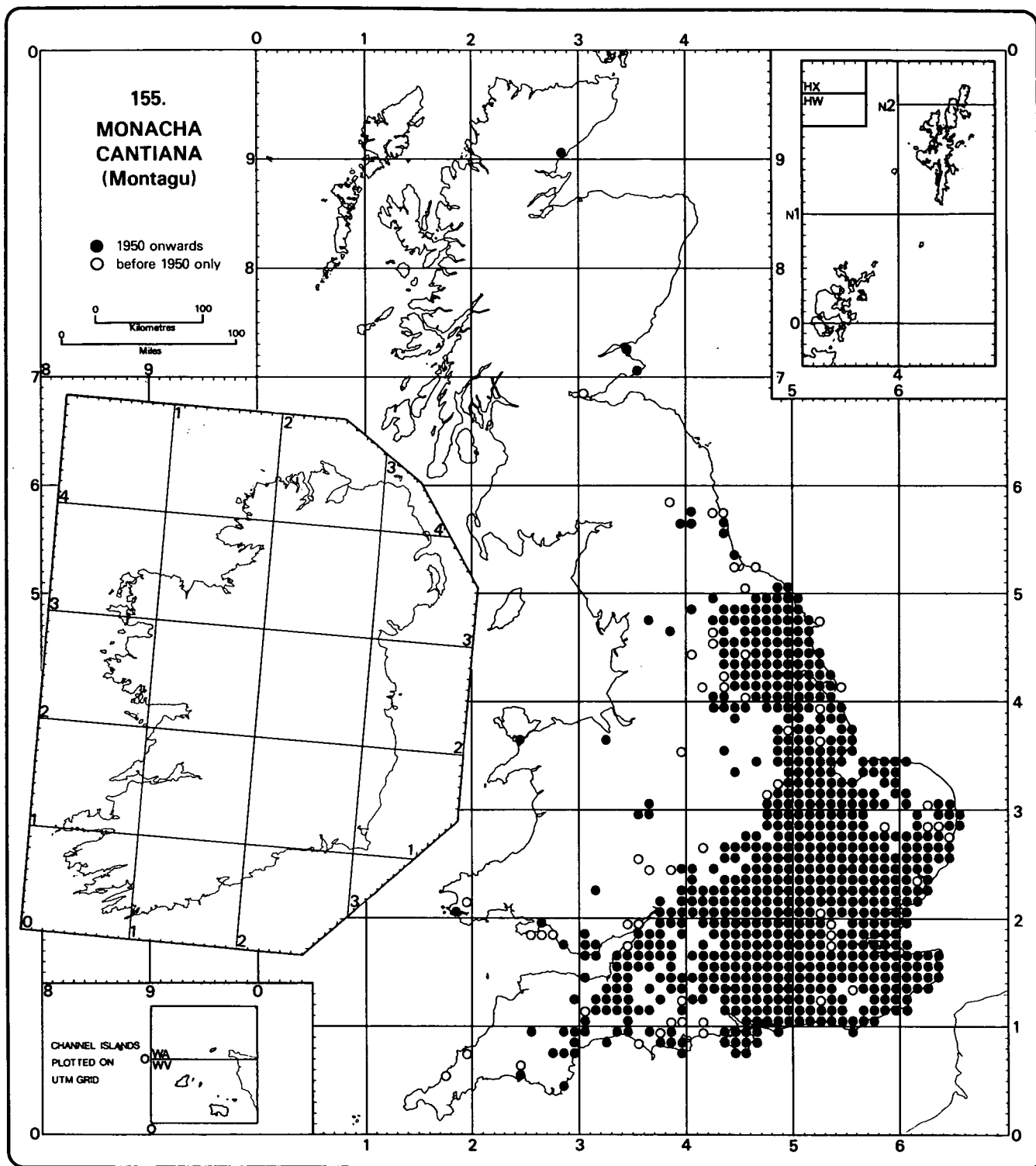
CHANNEL ISLANDS
PLOTTED ON
UTM GRID

154.
MONACHA
CARTUSIANA
(Müller)

- 1950 onwards
- before 1950 only
- × casual
- + Flandrian fossils

0 100
Kilometres
0 100
Miles

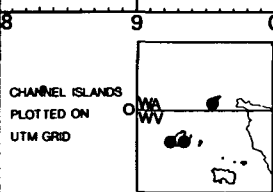
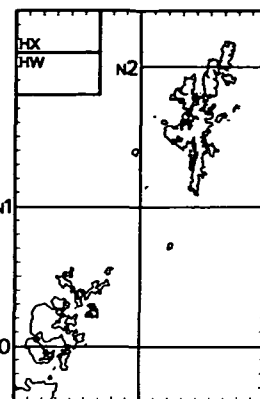




156.
ASHFORDIA
GRANULATA
(Alder)

● 1950 onwards
○ before 1950 only

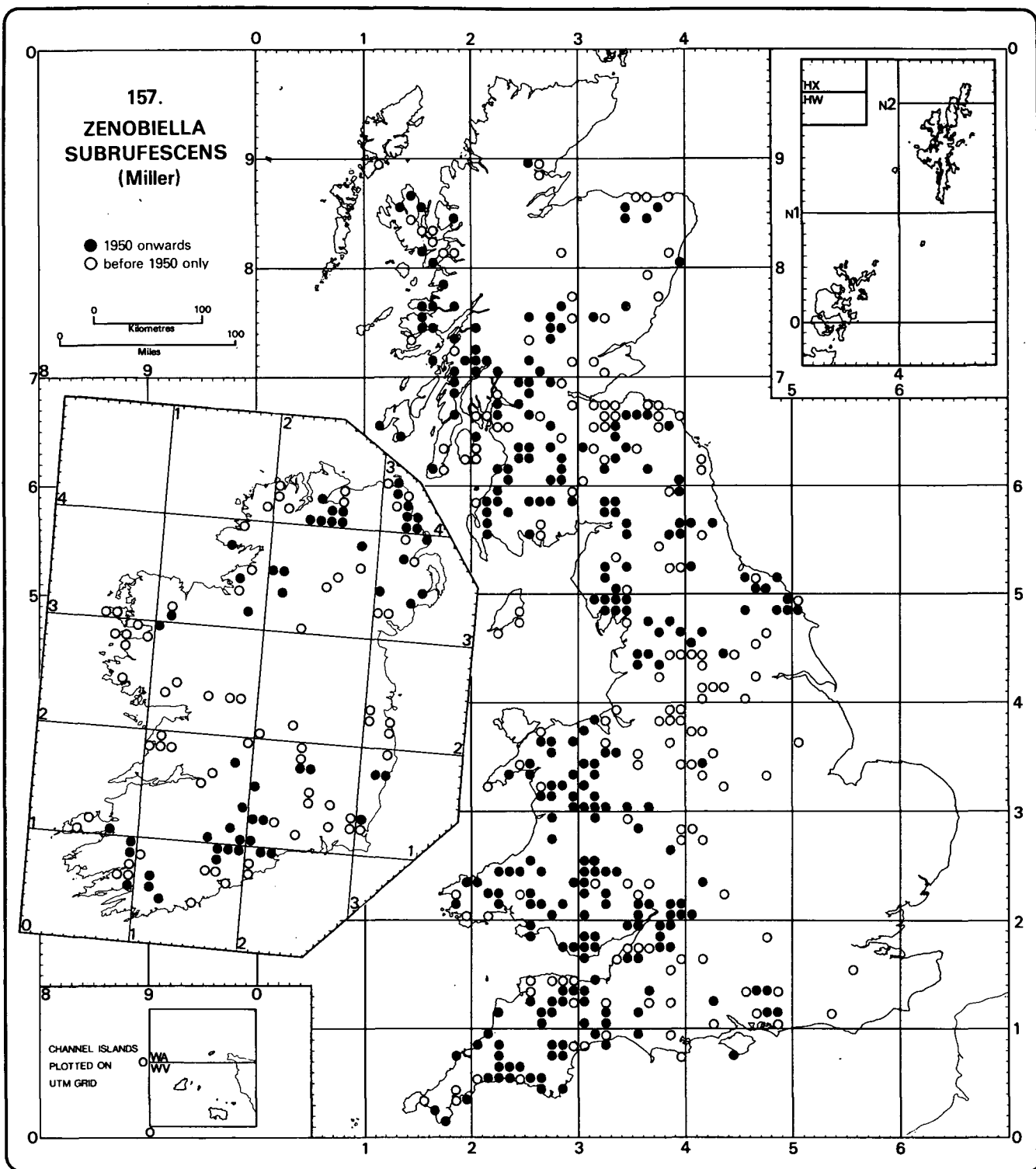
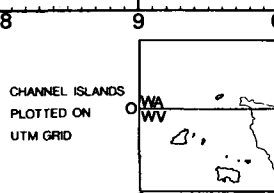
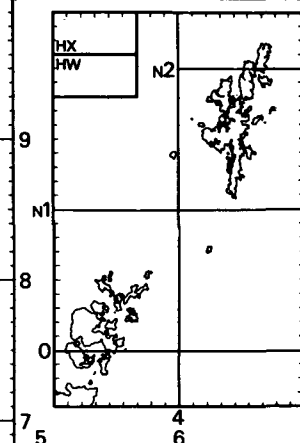
0 100
Kilometres
0 100
Miles



CHANNEL ISLANDS
PLOTED ON
UTM GRID

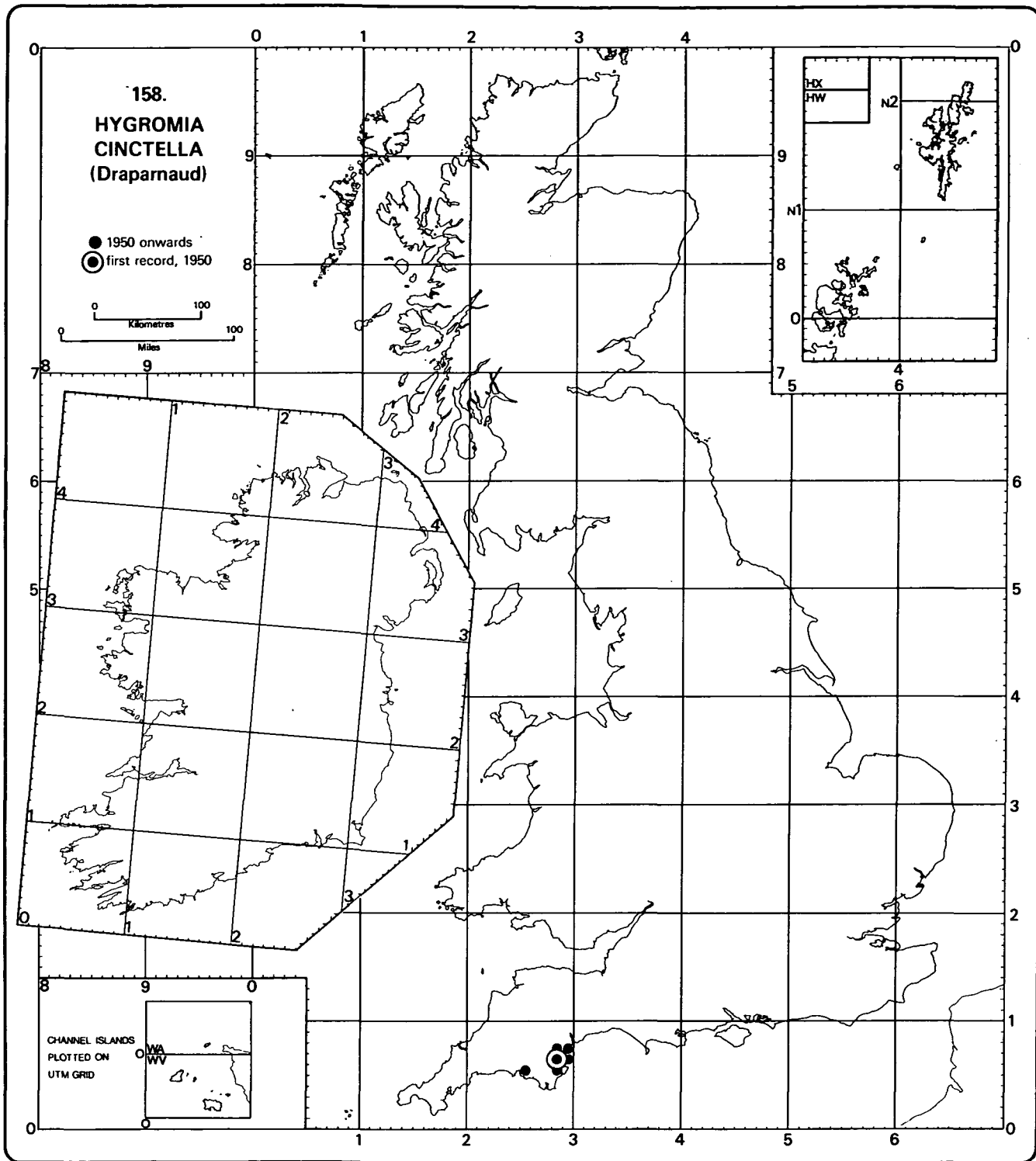
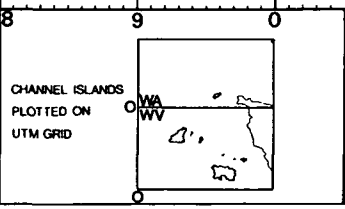
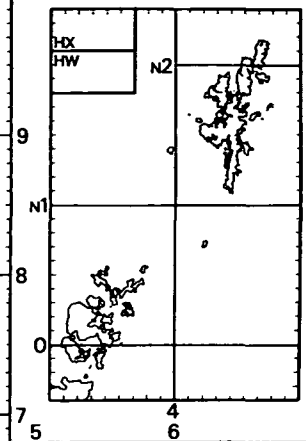
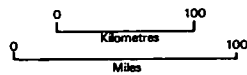
157.
ZENOBIELLA
SUBRUFESCENS
(Miller)

- 1950 onwards
- before 1950 only



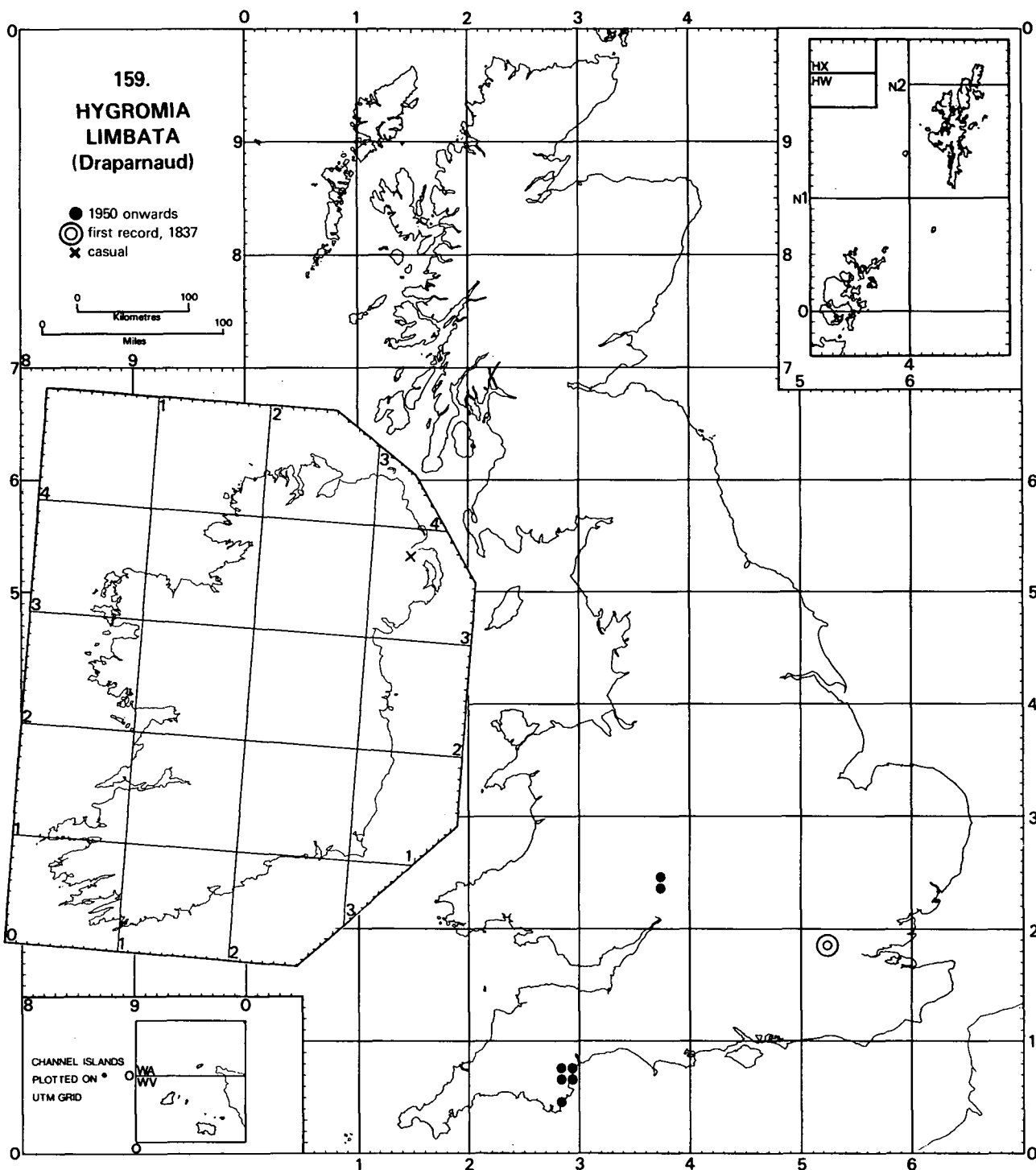
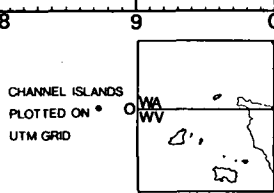
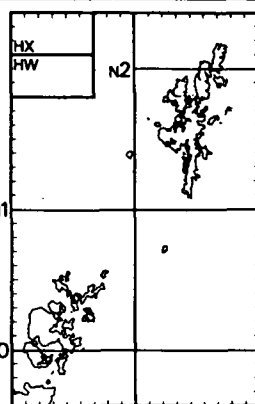
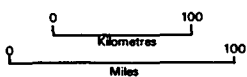
158.
HYGROMIA
CINCTELLA
(Draparnaud)

- 1950 onwards
- ⊙ first record, 1950



159.
HYGROMIA
LIMBATA
(Draparnaud)

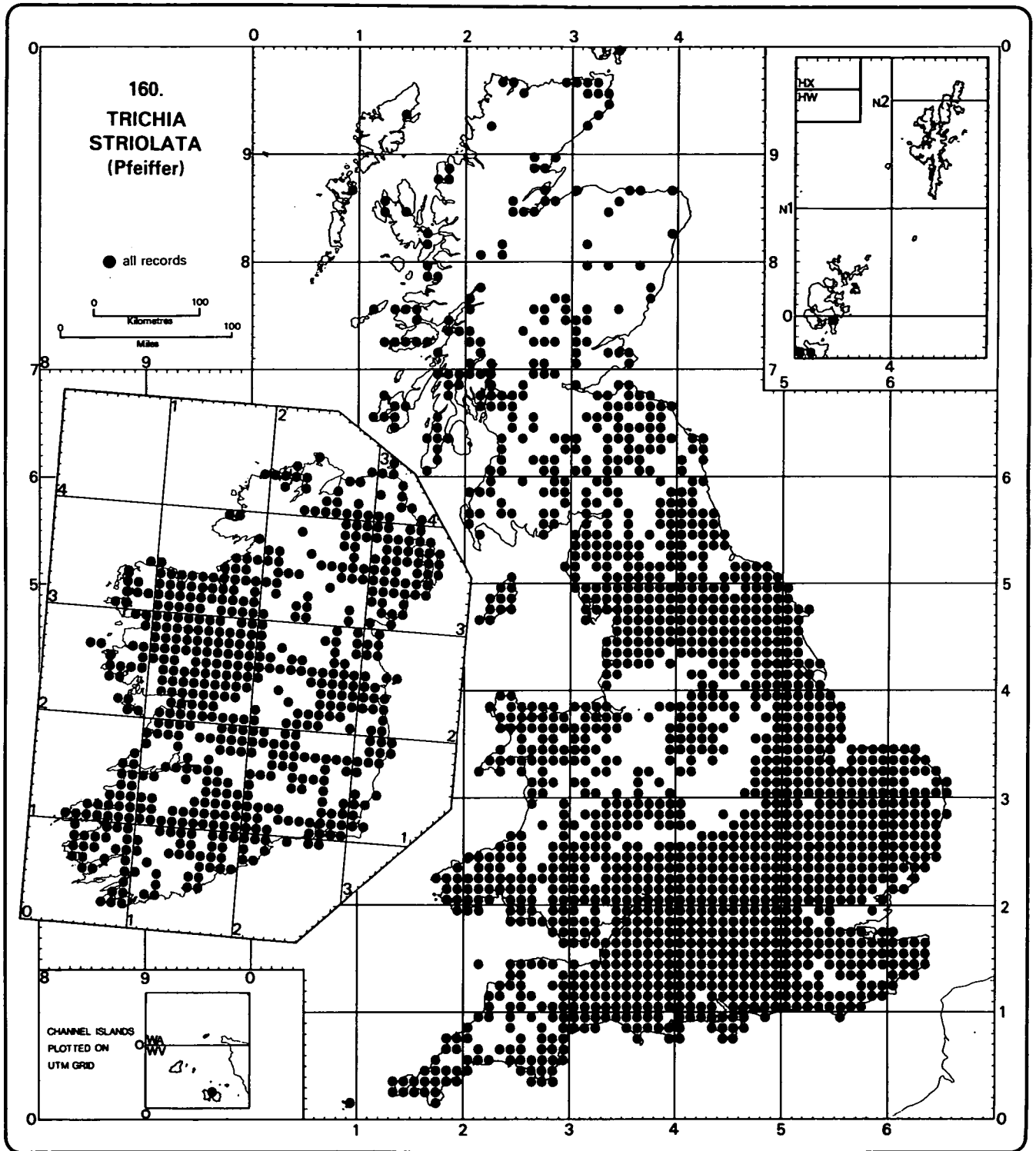
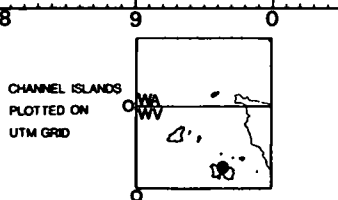
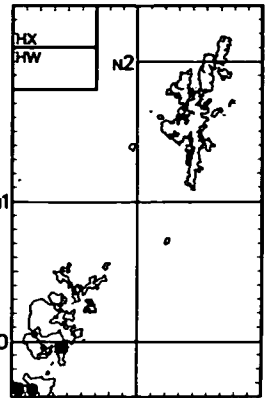
- 1950 onwards
- first record, 1837
- x casual



160.
TRICHIA
STRIOLATA
(Pfeiffer)

● all records

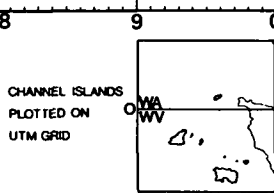
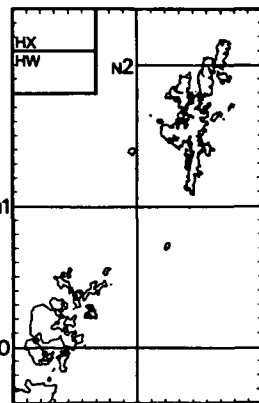
0 100
Kilometres
0 100
Miles



161.
TRICHIA
PLEBEIA
(Draparnaud)

● all records

0 100
Kilometres
0 100
Miles

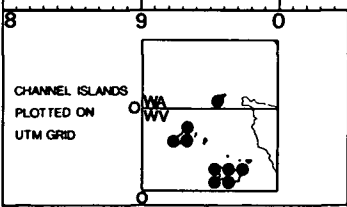
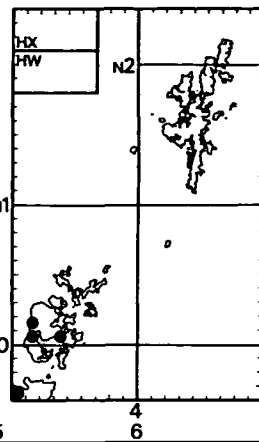


CHANNEL ISLANDS
PLOTTED ON
UTM GRID

162.
TRICHIA
HISPIDA (L.)

● all records

0 100
Kilometres
0 100
Miles

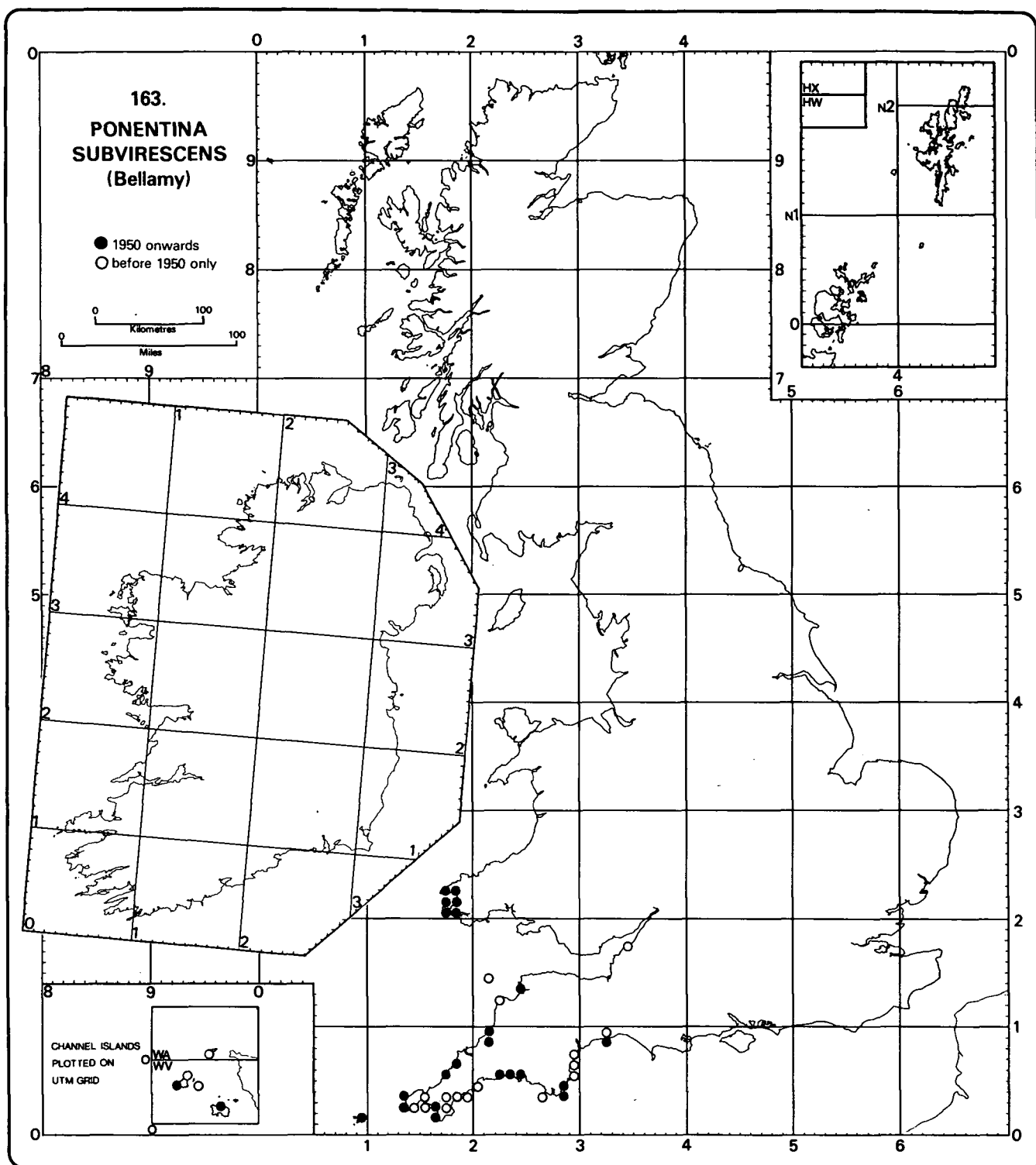
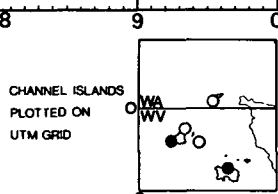
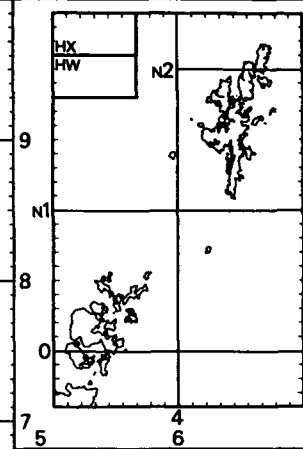


CHANNEL ISLANDS
PLOTTED ON
UTM GRID

163.
PONENTINA
SUBVIRESCENS
(Bellamy)

● 1950 onwards
○ before 1950 only

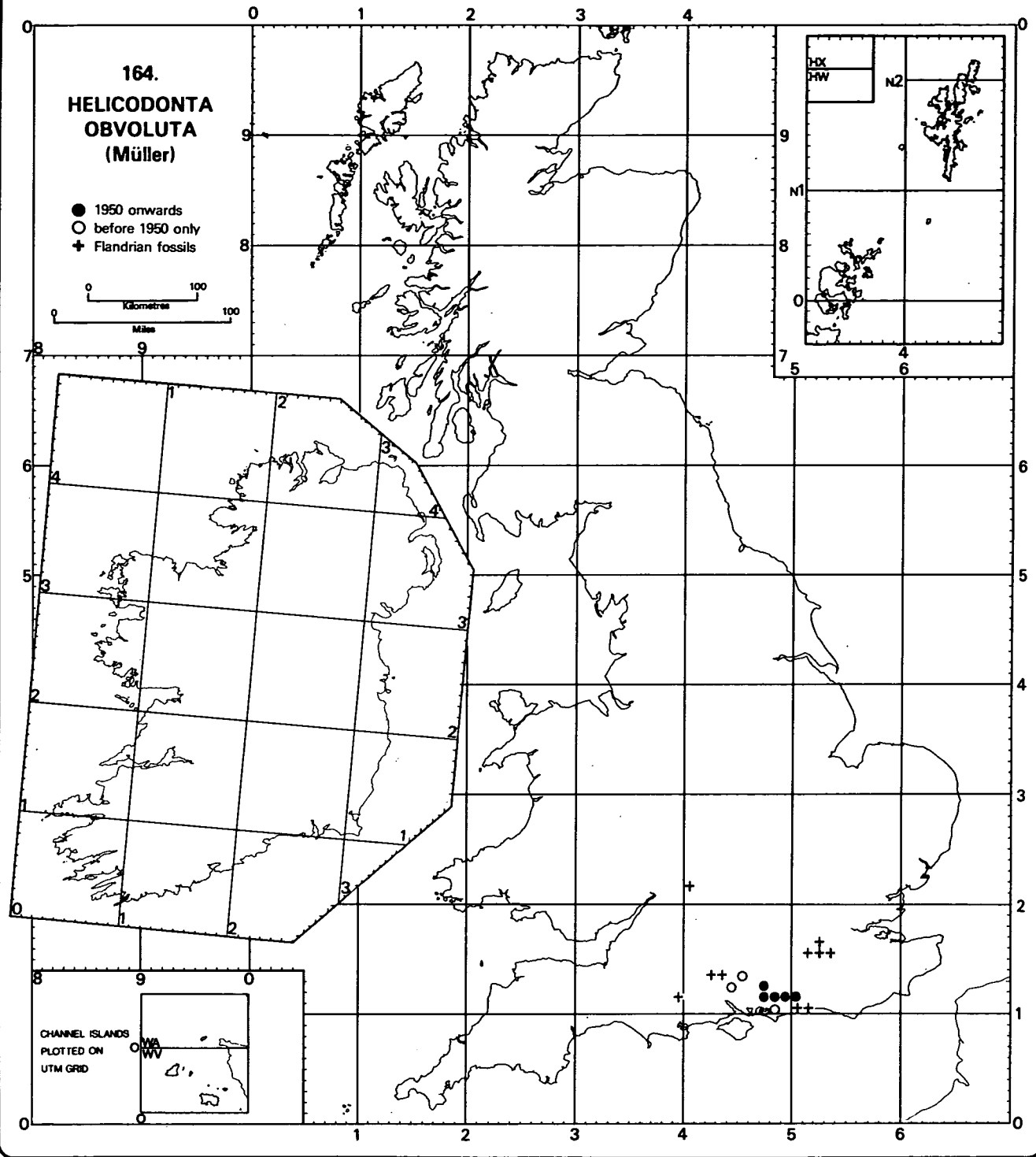
0 100
Kilometres
0 100
Miles



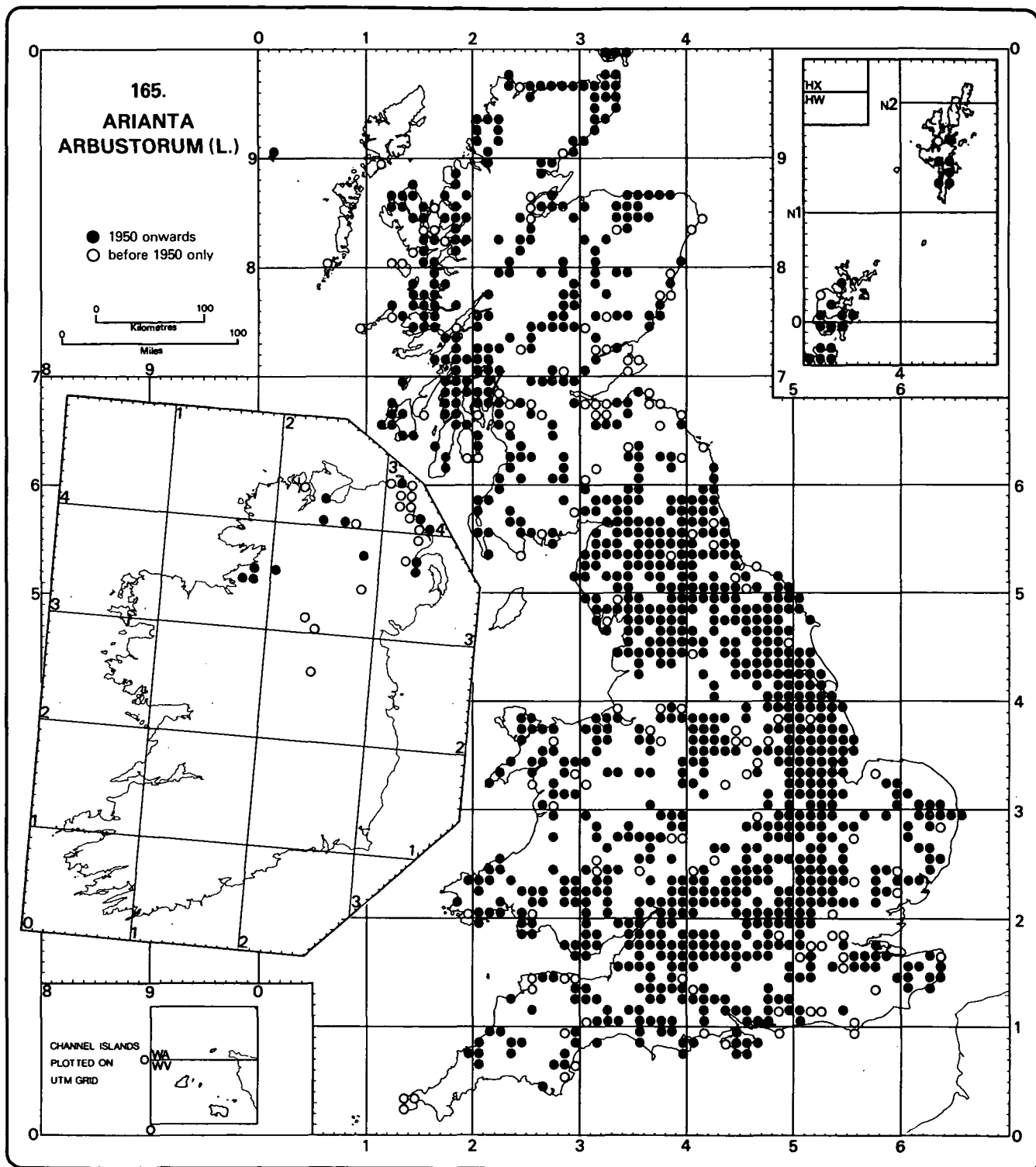
164.
**HELICODONTA
OBVOLUTA**
(Müller)

- 1950 onwards
- before 1950 only
- + Flandrian fossils

0 100
Kilometres
0 100
Miles

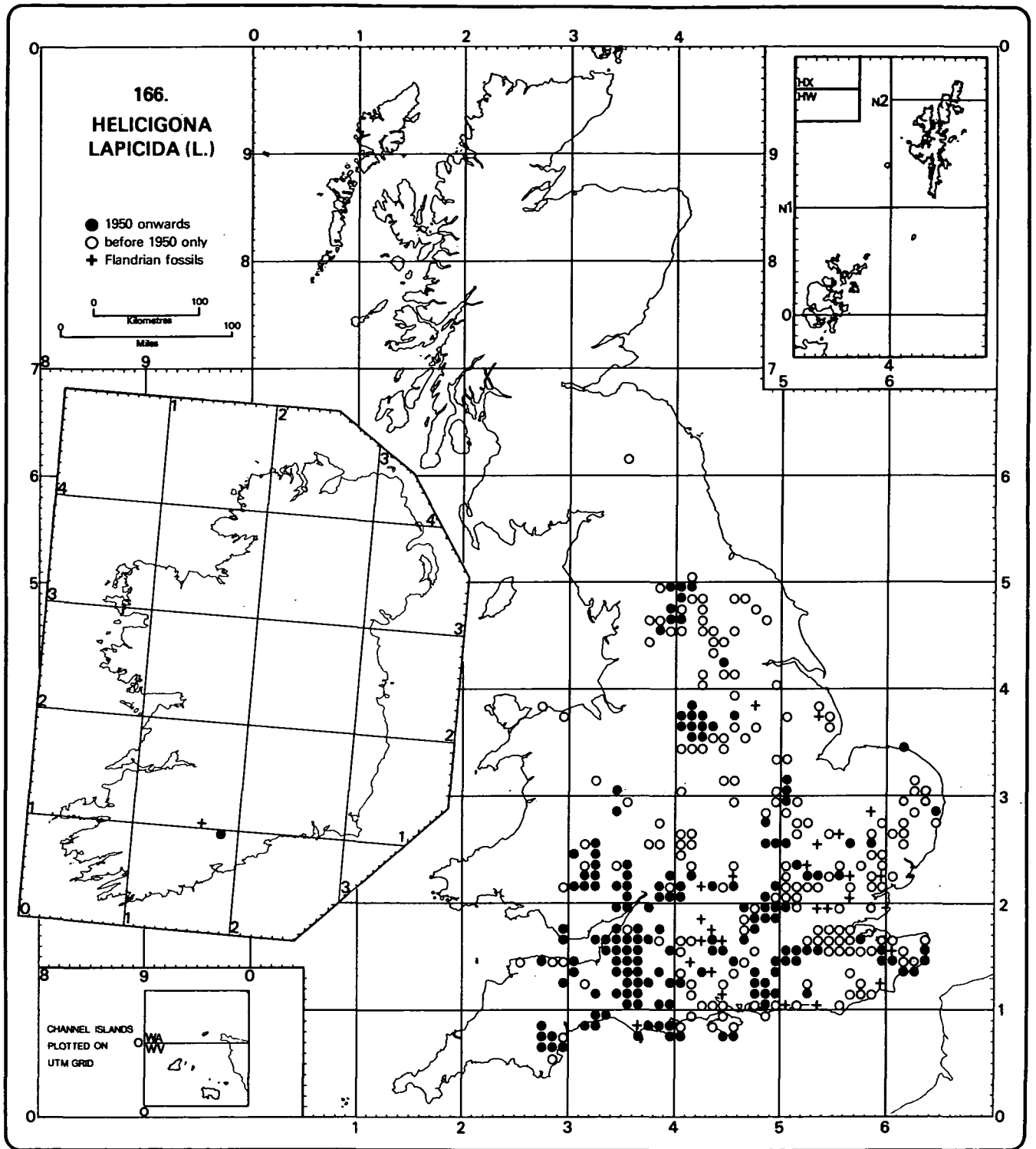
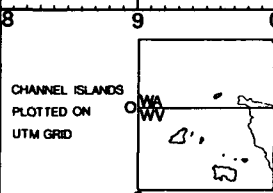
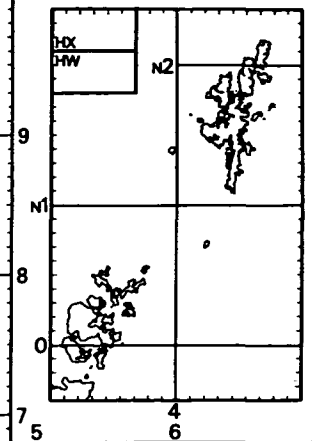
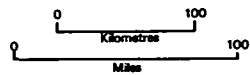


CHANNEL ISLANDS
PLOTTED ON
UTM GRID

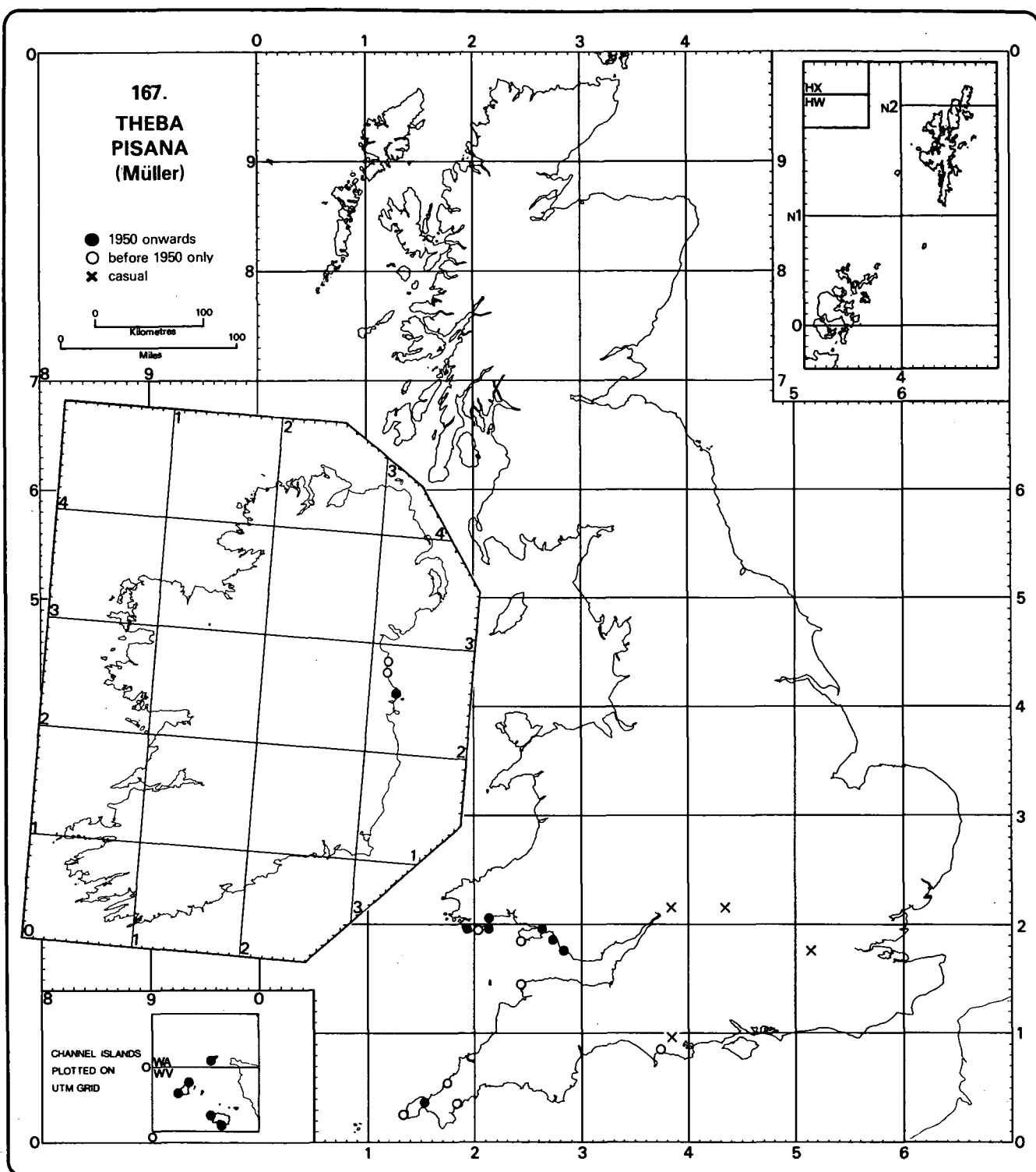


166.
HELICIGONA
LAPICIDA (L.)

- 1950 onwards
- before 1950 only
- + Flandrian fossils



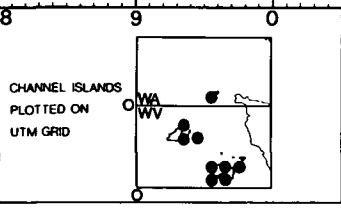
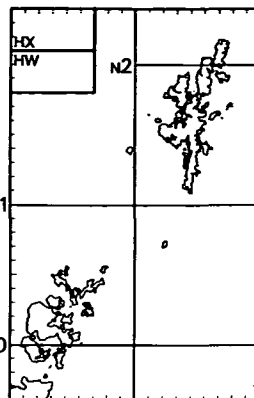
- 1950 onwards
- before 1950 only
- ✕ casual



168.
CEPAEA
NEMORALIS (L.)

● all records

0 100
Kilometres
0 100
Miles

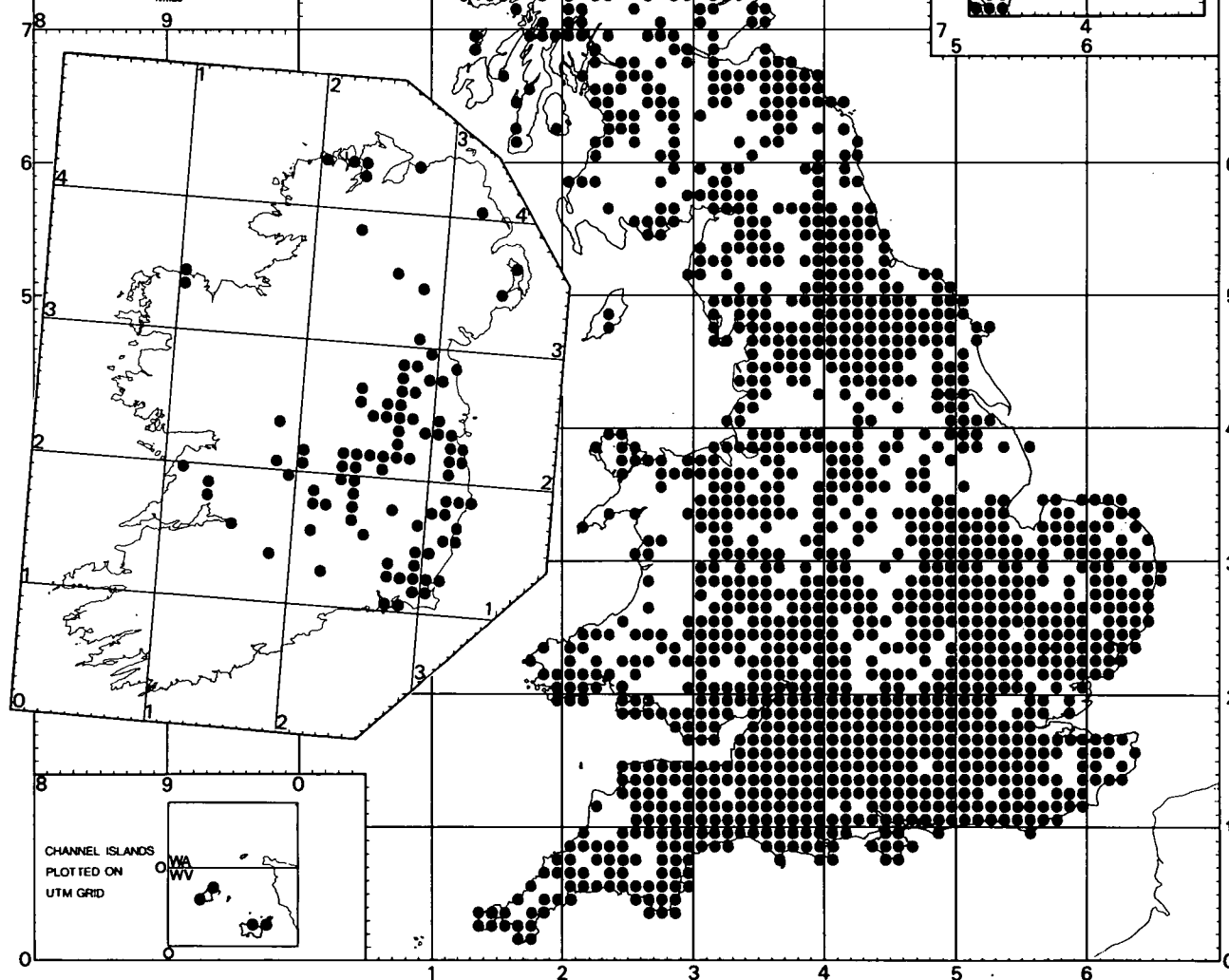
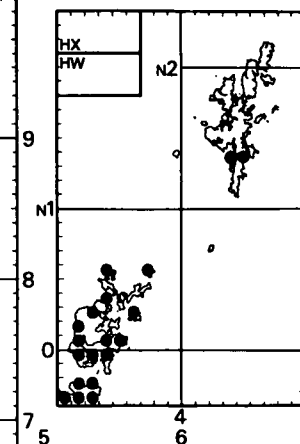


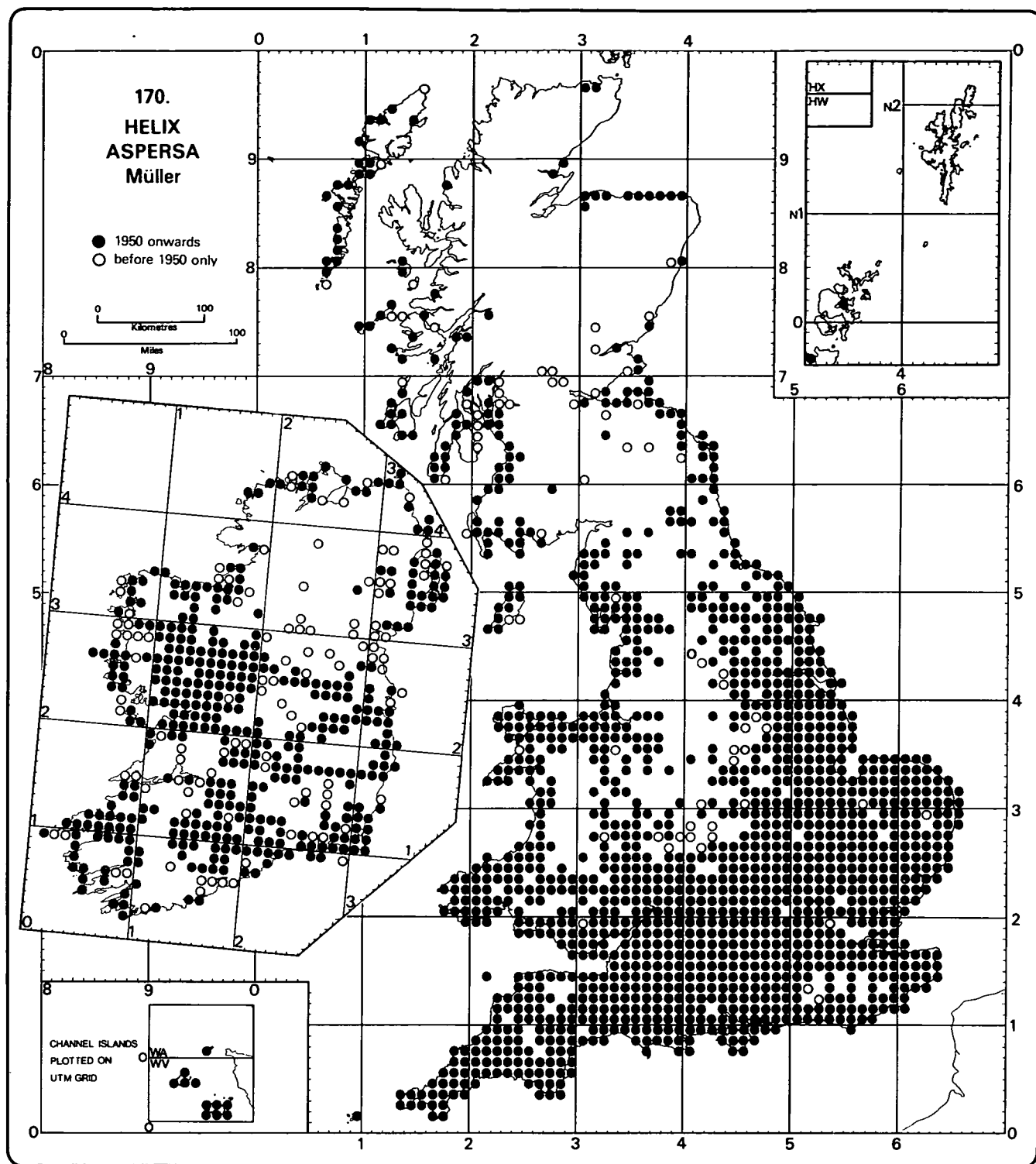
CHANNEL ISLANDS
PLOTTED ON
UTM GRID

169.
CEPAEA
HORTENSIS
(Müller)

● all records

0 100
Kilometres
0 100
Miles

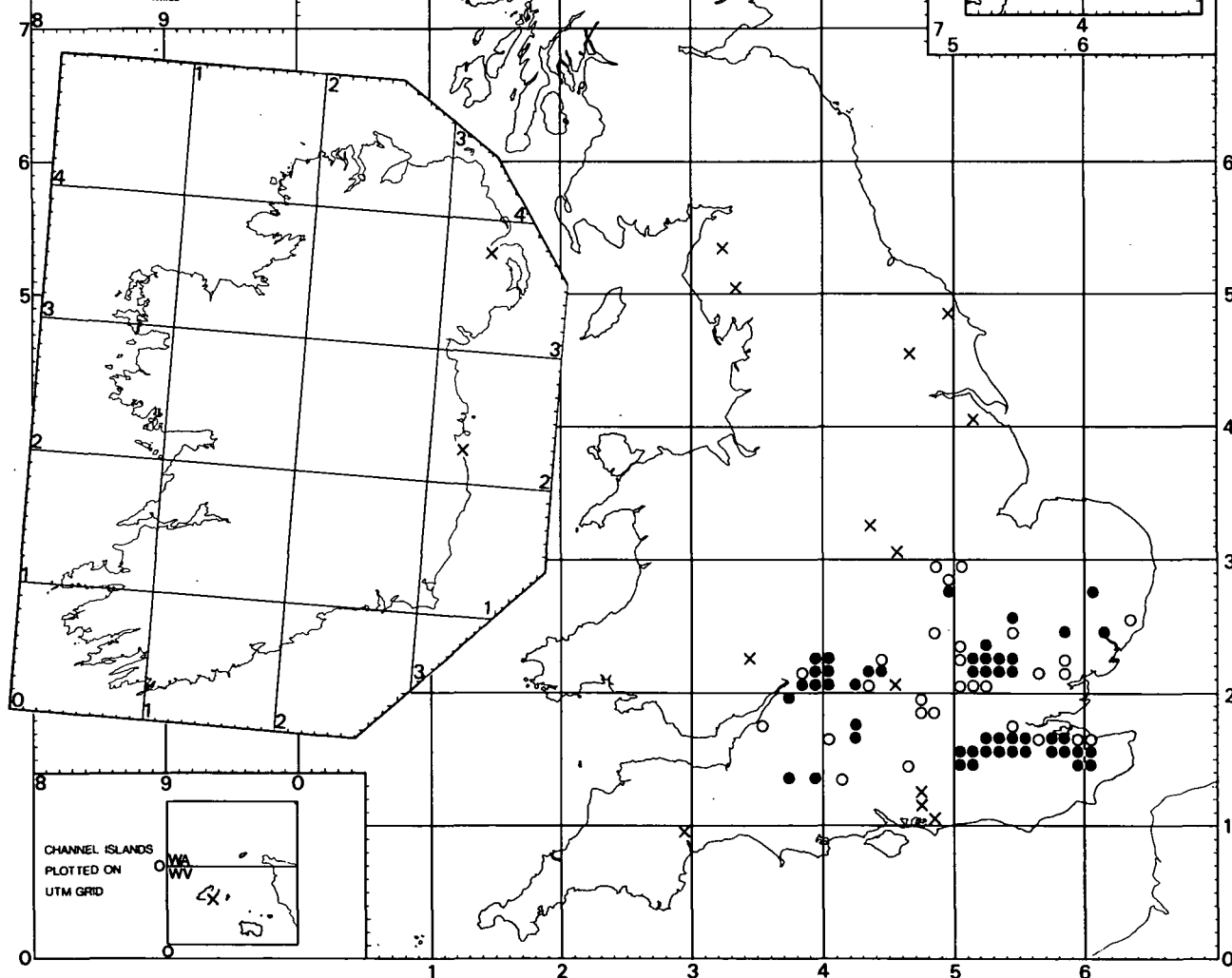
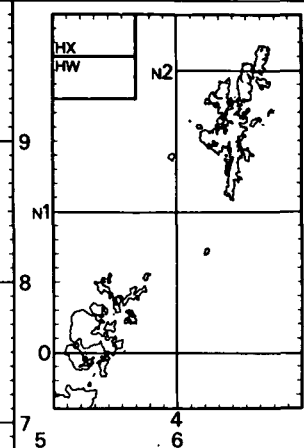




171.
HELIX
POMATIA L.

- 1950 onwards
- before 1950 only
- x casual, and temporary introductions

0 100
Kilometres
0 100
Miles

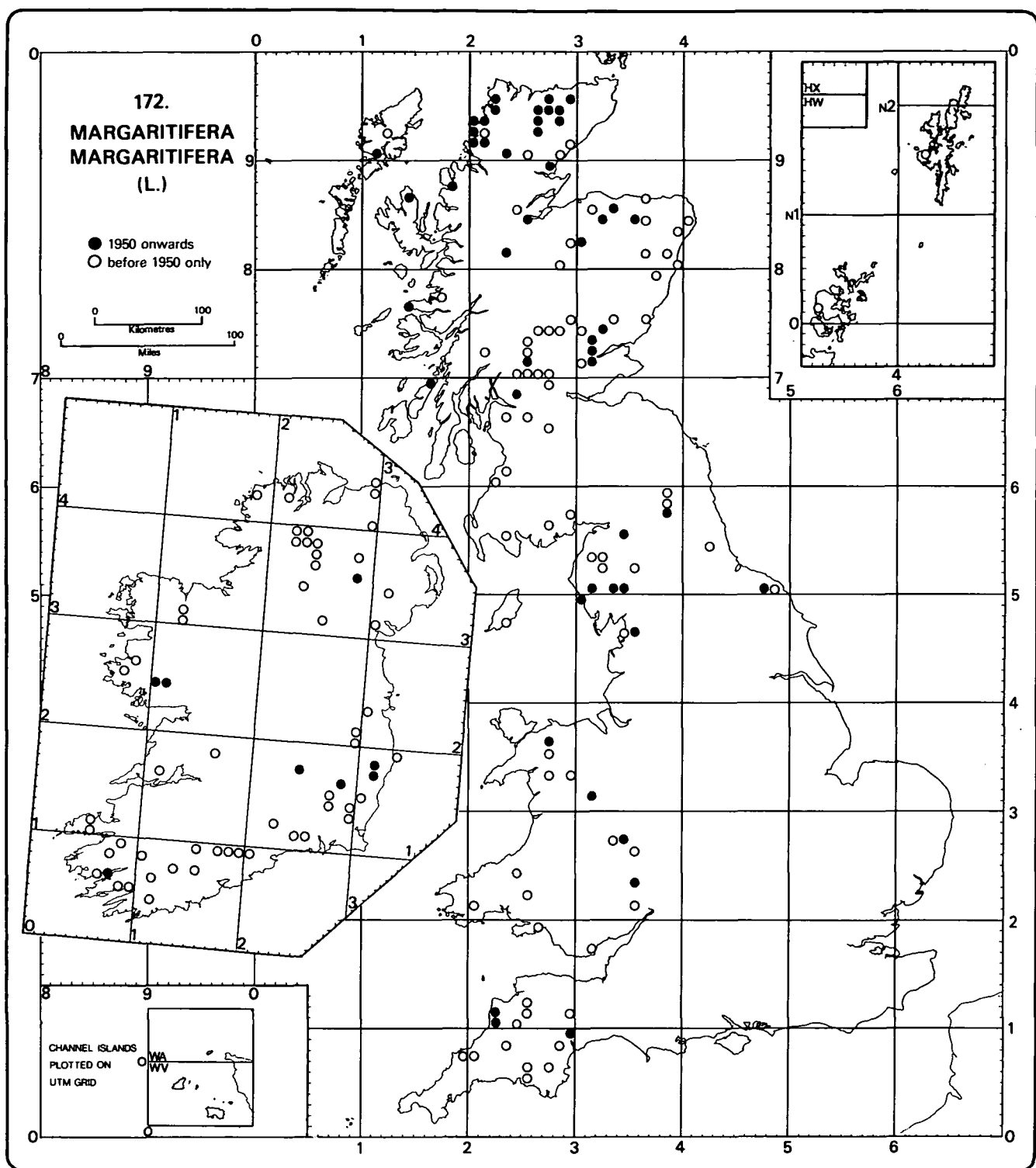
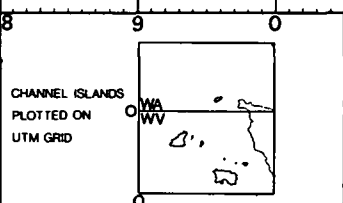
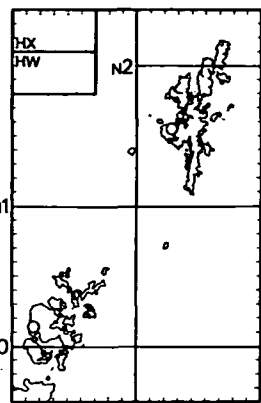


CHANNEL ISLANDS
PLOTED ON
UTM GRID

172.
MARGARITIFERA
MARGARITIFERA
(L.)

● 1950 onwards
○ before 1950 only

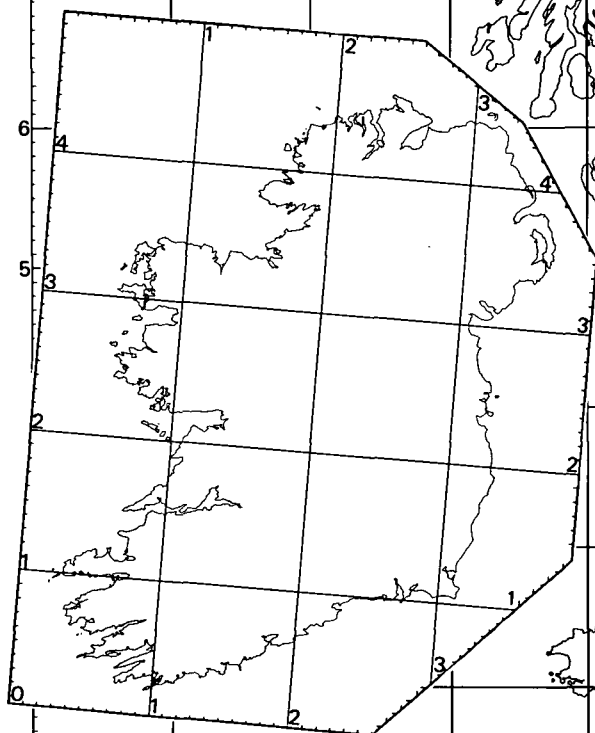
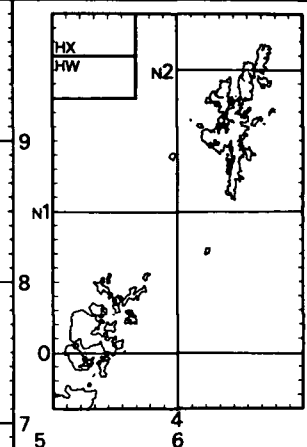
0 100
Kilometres
0 100
Miles



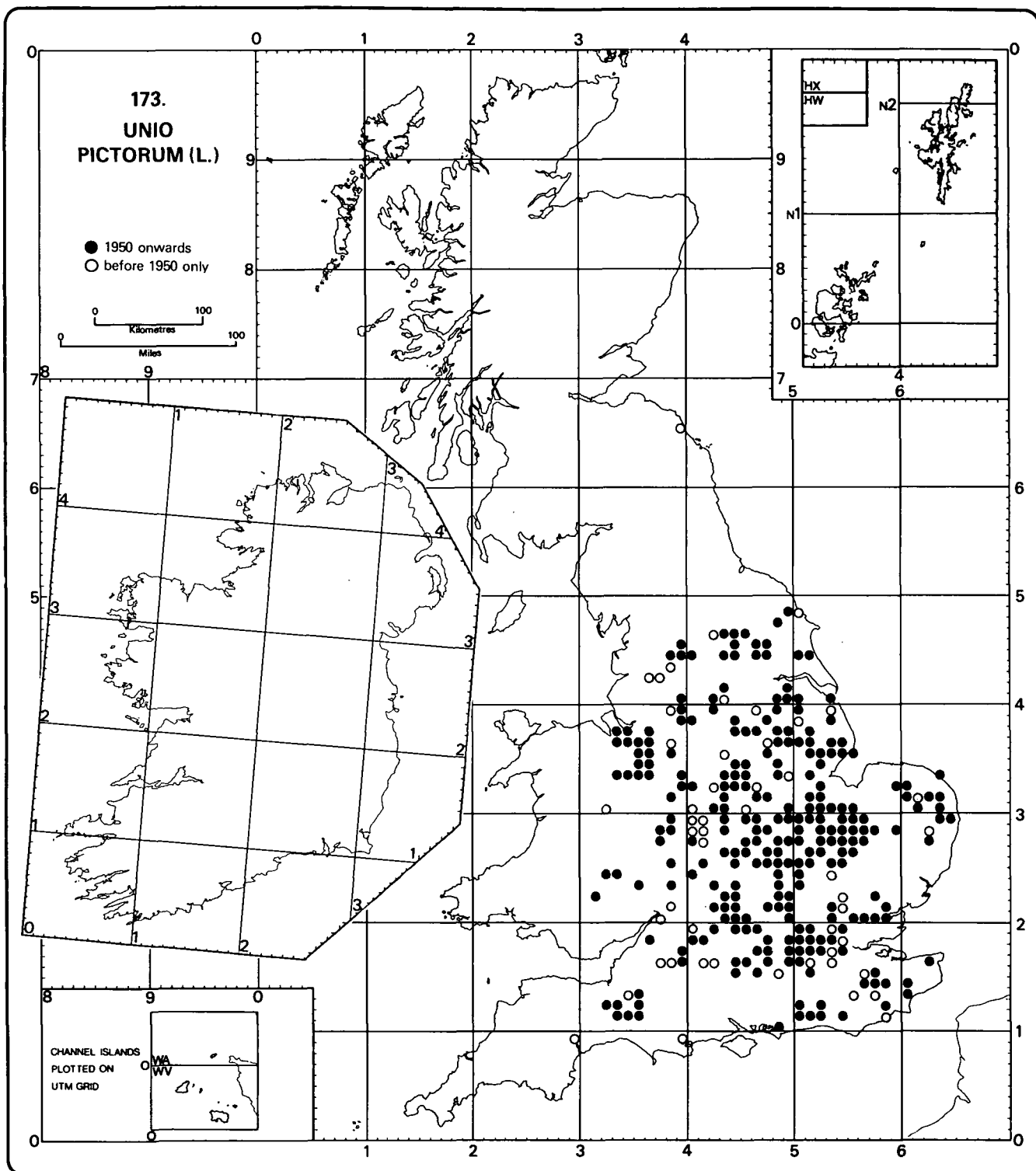
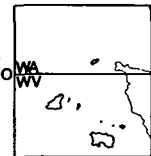
173.
UNIO
PICTORUM (L.)

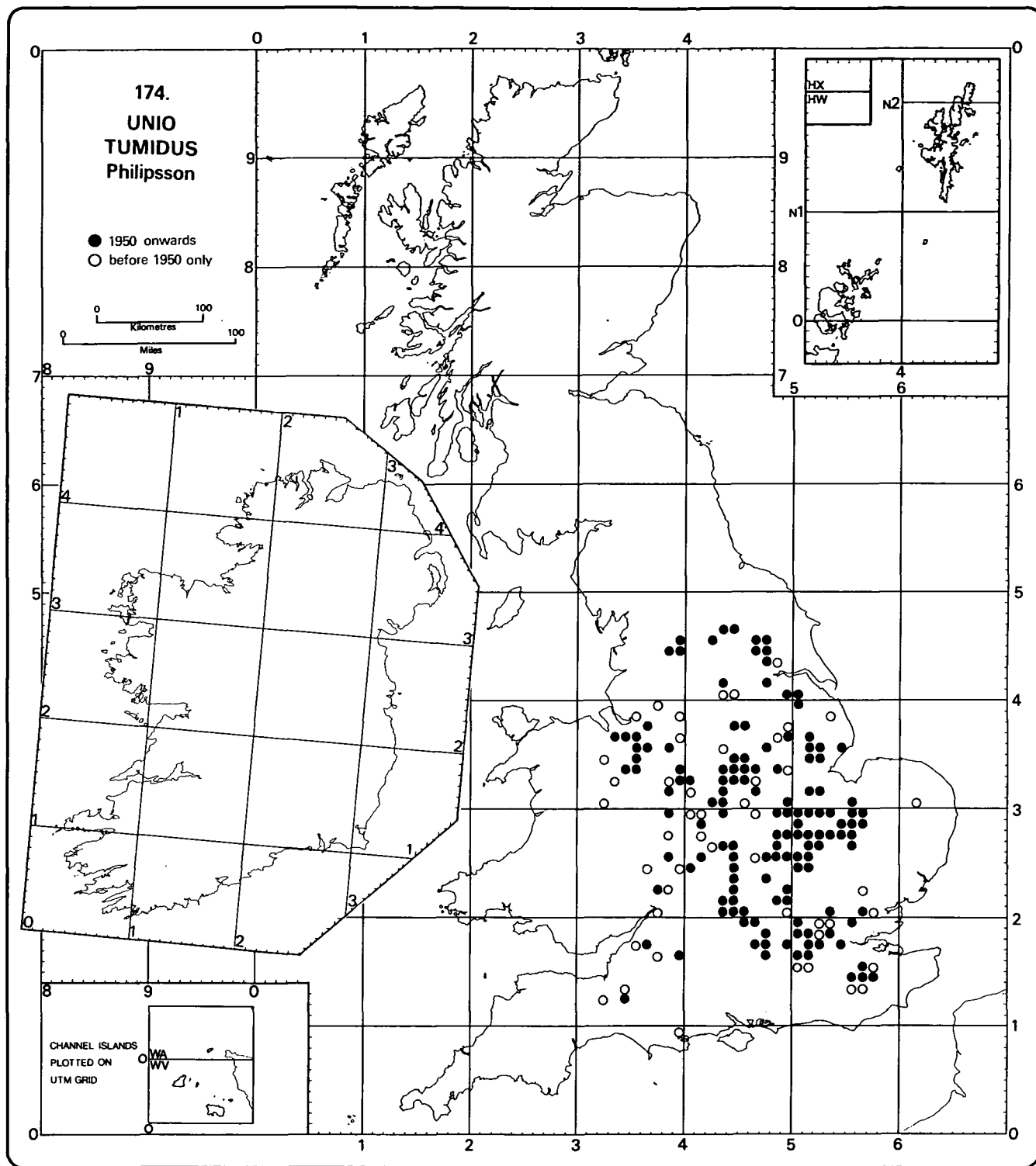
- 1950 onwards
- before 1950 only

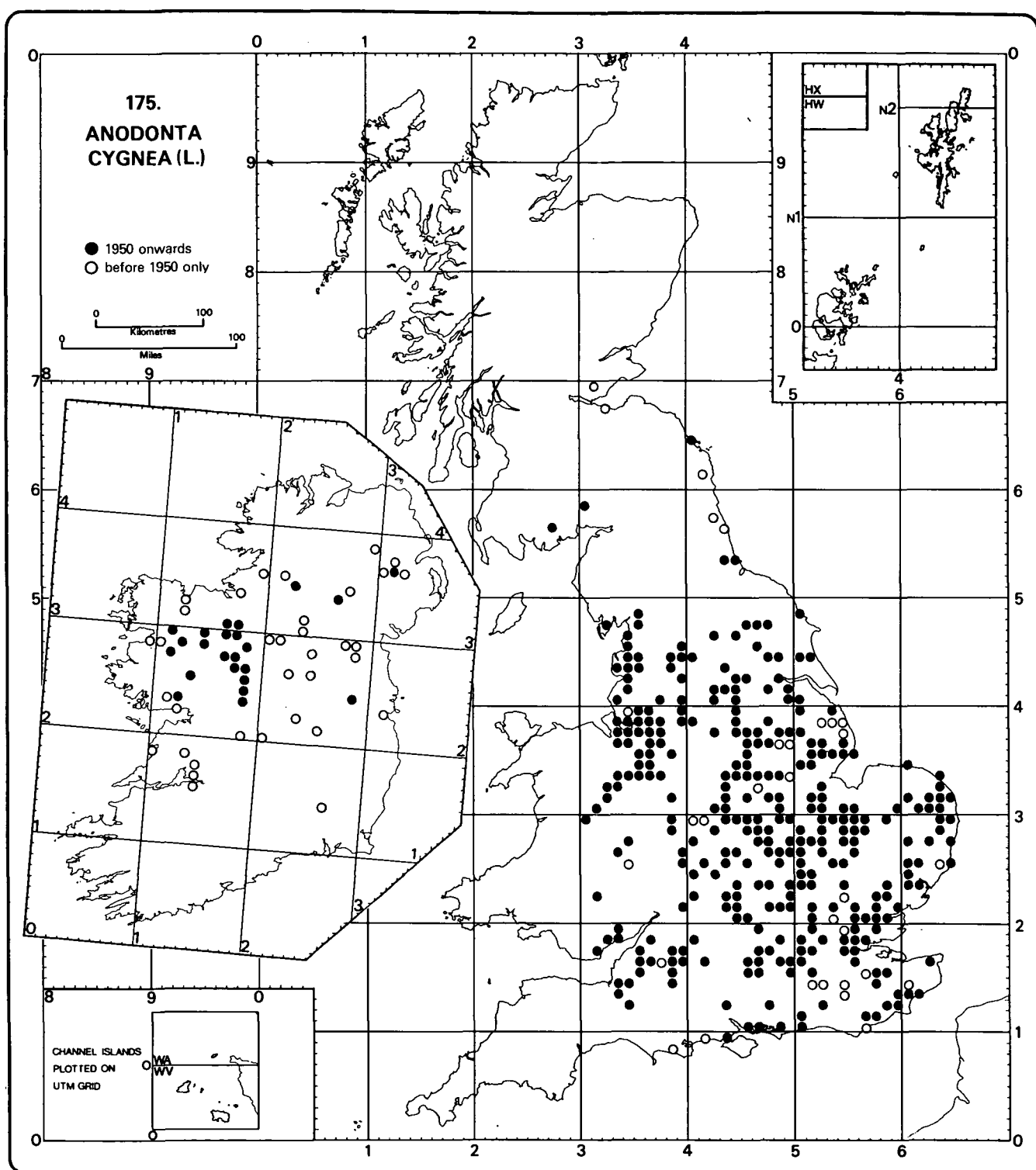
0 100
Kilometres
0 100
Miles



CHANNEL ISLANDS
PLOTTED ON
UTM GRID



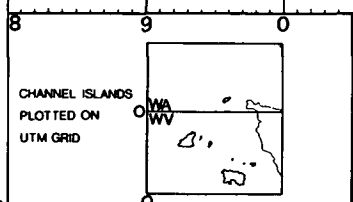
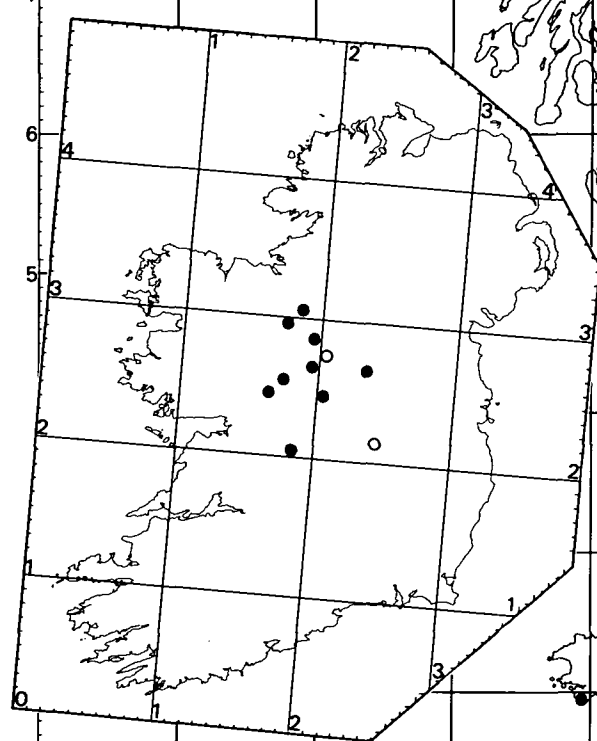
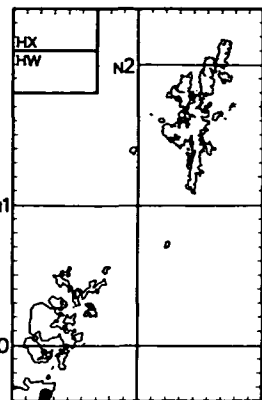




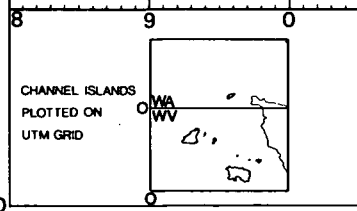
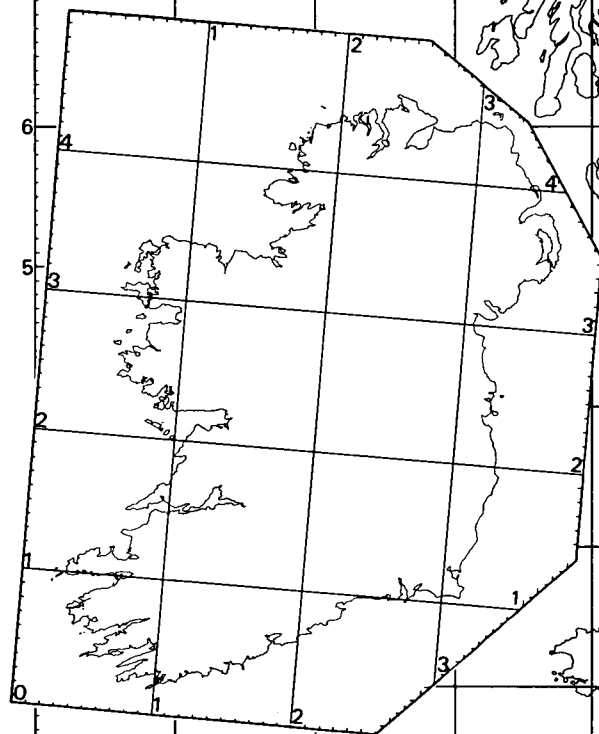
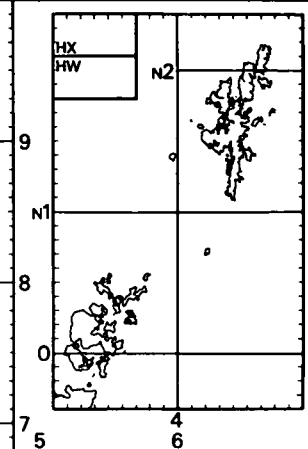
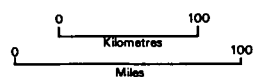
176.
ANODONTA
ANATINA (L.)

● 1950 onwards
○ before 1950 only

0 100
Kilometres
0 100
Miles



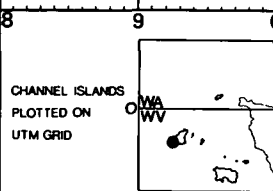
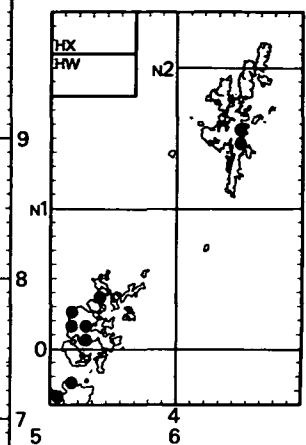
CHANNEL ISLANDS
PLOTTED ON
UTM GRID



178.
SPHAERIUM
CORNEUM (L.)

● all records

0 100
Kilometres
0 100
Miles

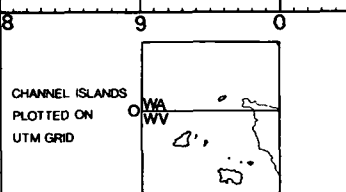
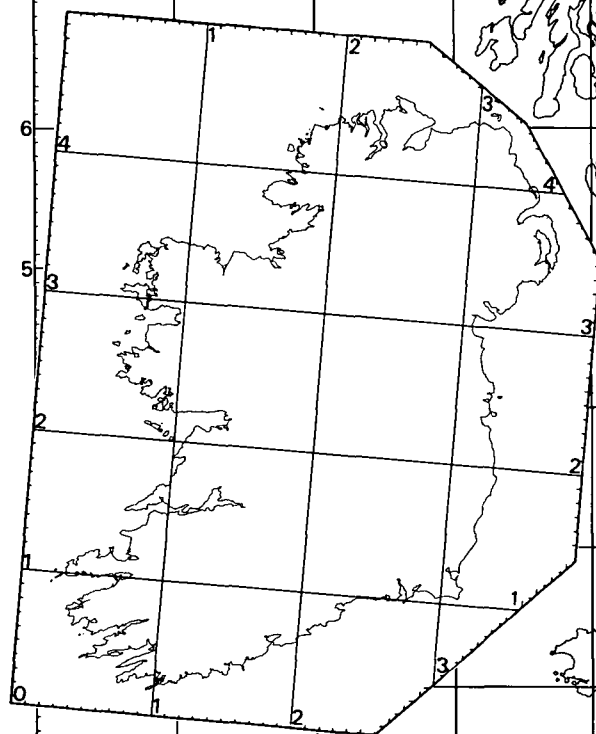
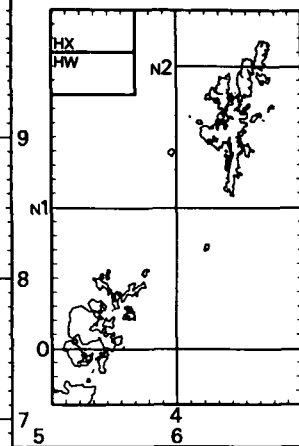


CHANNEL ISLANDS
PLOTTED ON
UTM GRID

179.
SPHAERIUM
RIVICOLA
(Lamarck)

● 1950 onwards
○ before 1950 only

0 100
Kilometres
0 100
Miles



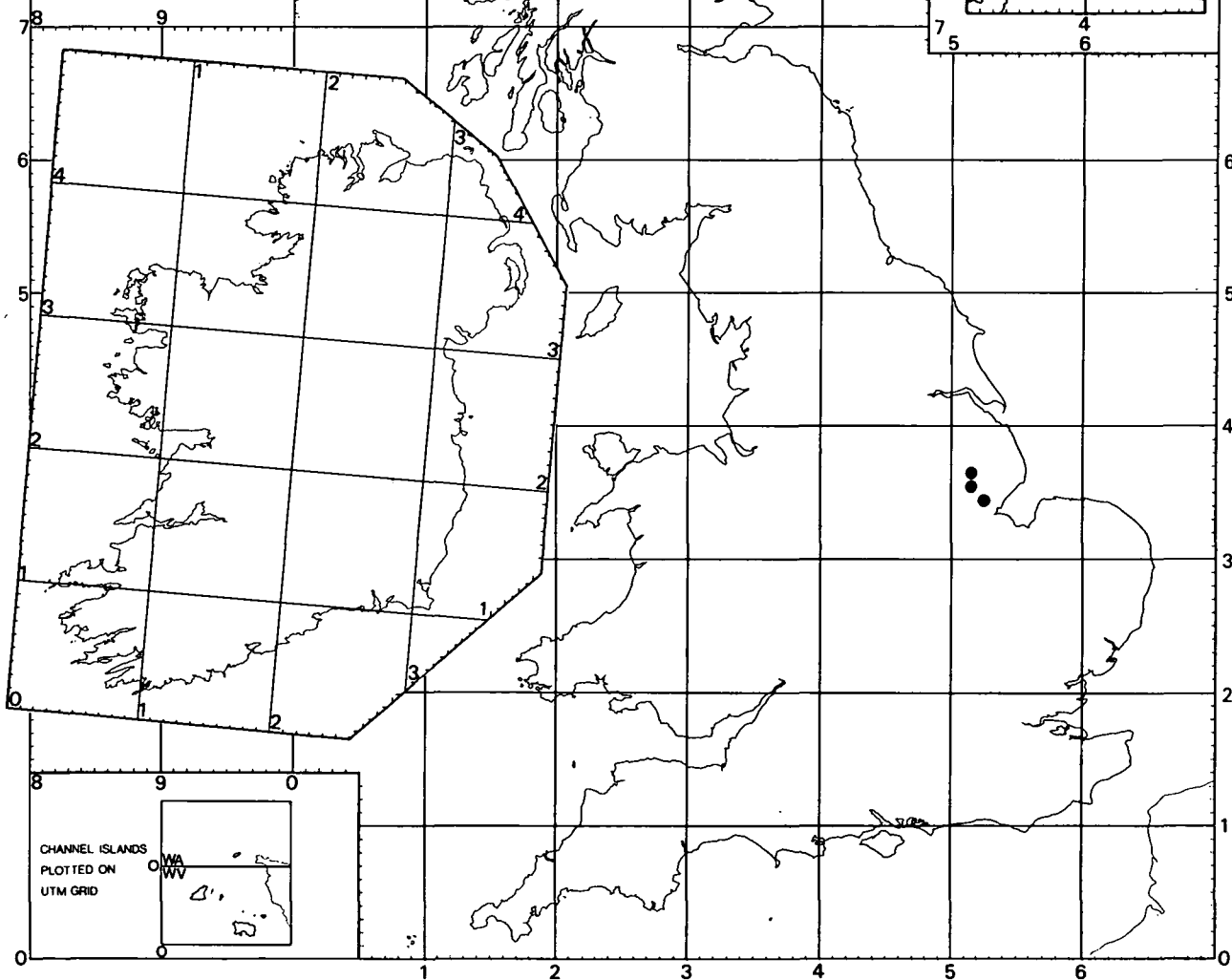
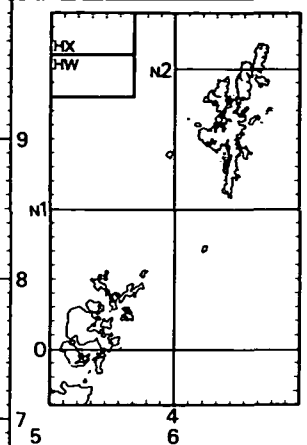
CHANNEL ISLANDS
PLOTTED ON
UTM GRID

WA
WV

180.
SPHAERIUM
SOLIDUM
(Normand)

● 1968 onwards

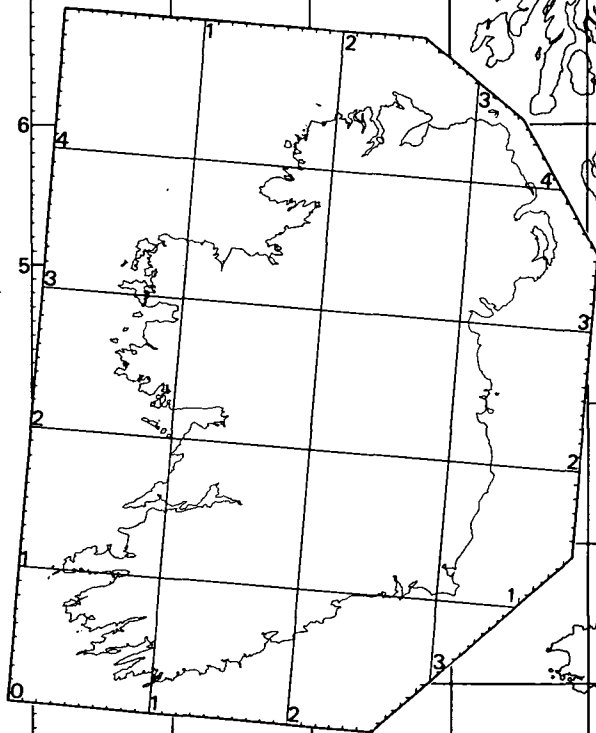
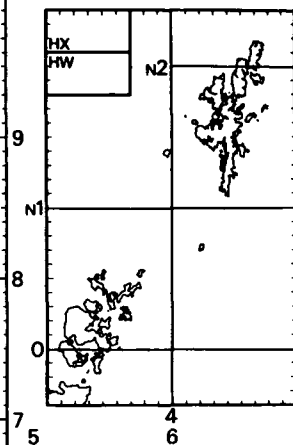
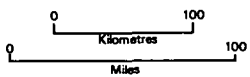
0 100
Kilometres
0 100
Miles



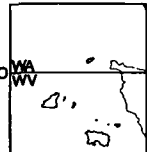
CHANNEL ISLANDS
PLOTTED ON
UTM GRID

181.
SPHAERIUM
TRANSVERSUM
(Say)

- 1950 onwards
- before 1950 only
- ⊙ first records, before 1950



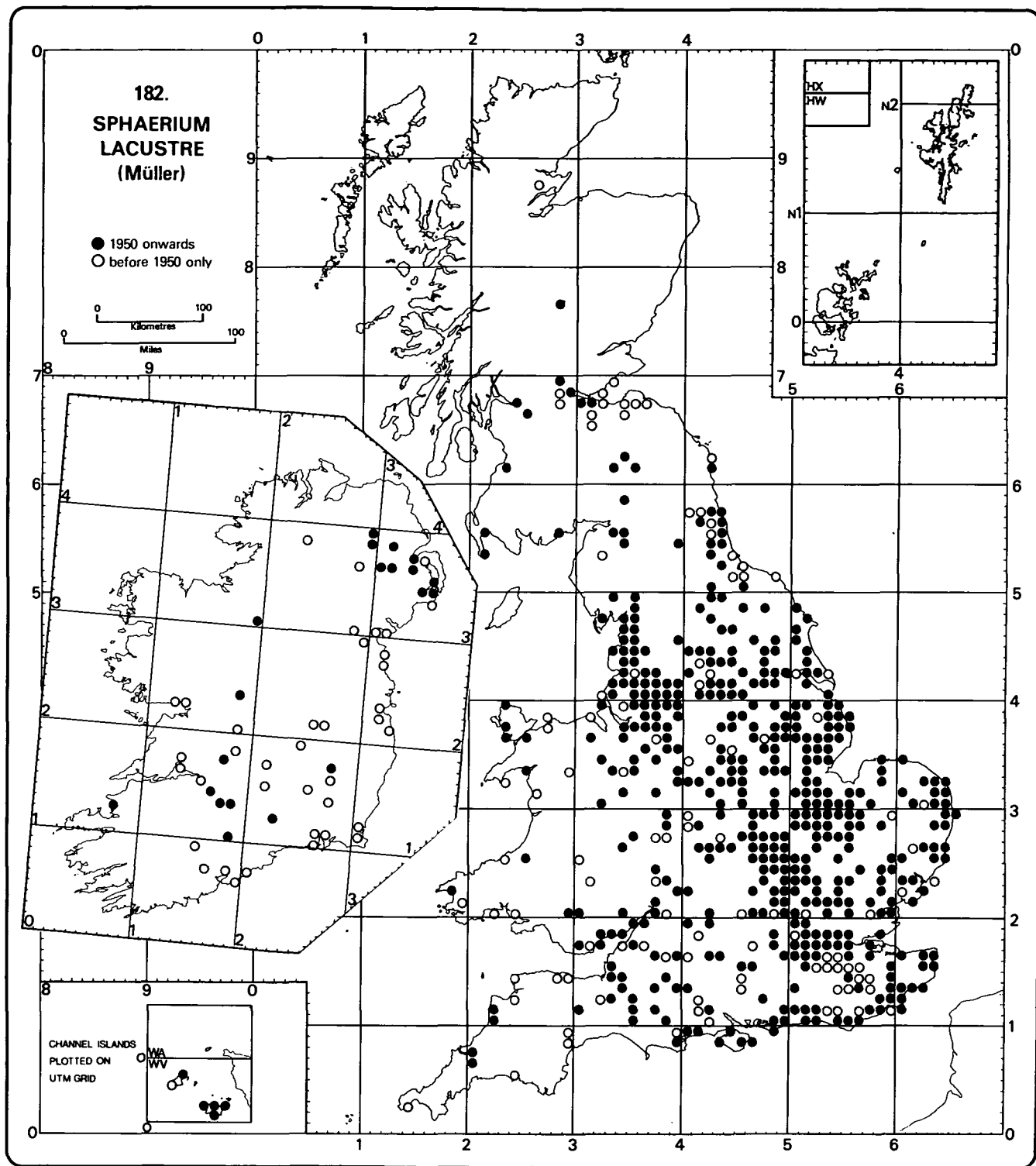
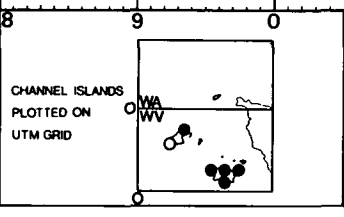
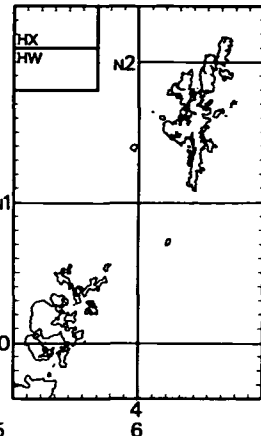
CHANNEL ISLANDS
PLOTTED ON
UTM GRID



182.
SPHAERIUM
LACUSTRE
(Müller)

● 1950 onwards
○ before 1950 only

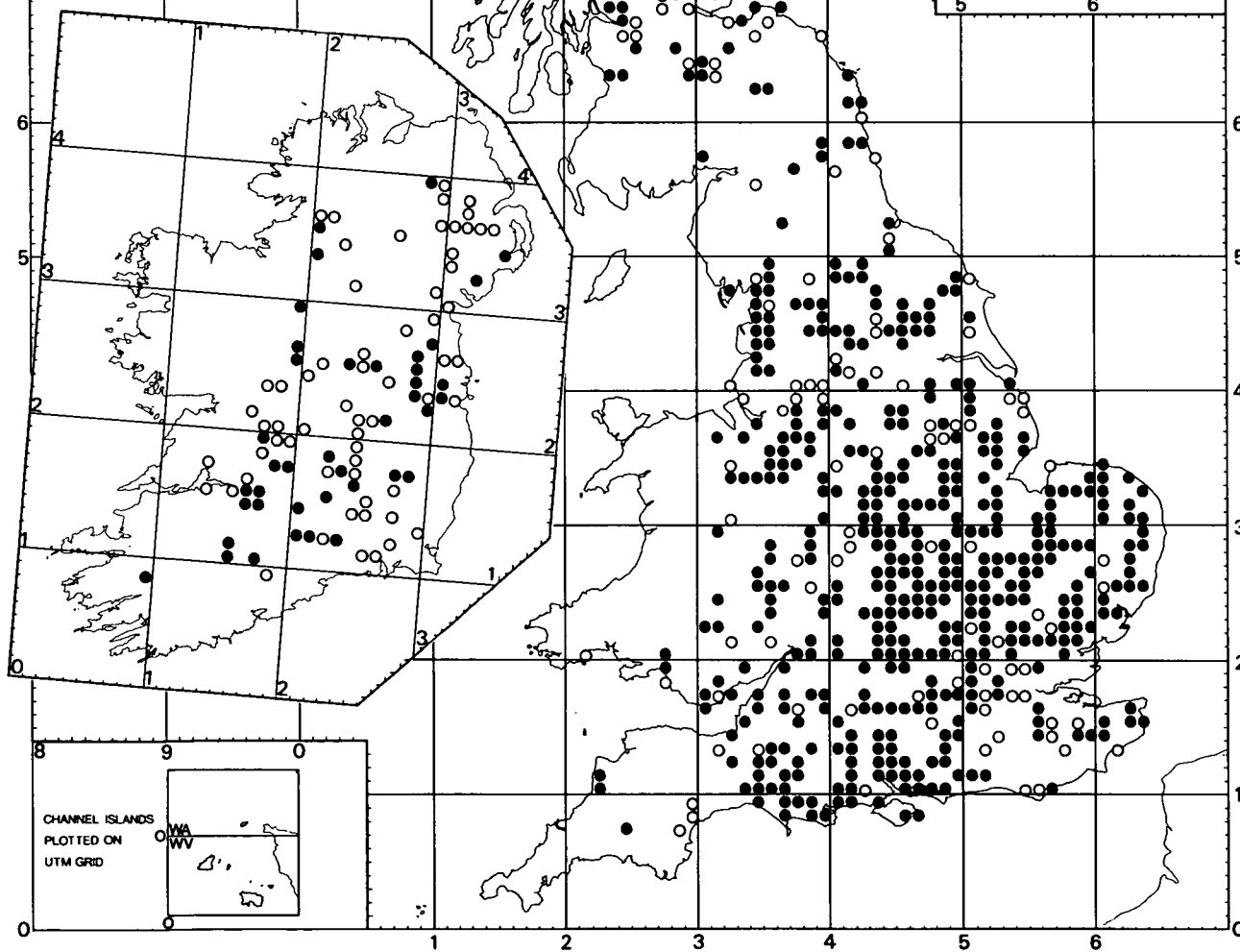
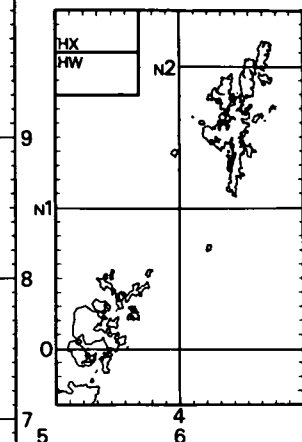
0 100
Kilometres
0 100
Miles



183.
PISIDIUM
AMNICUM
(Müller)

● 1950 onwards
○ before 1950 only

0 100
Kilometres
0 100
Miles

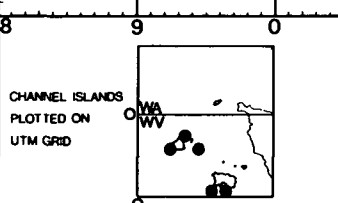
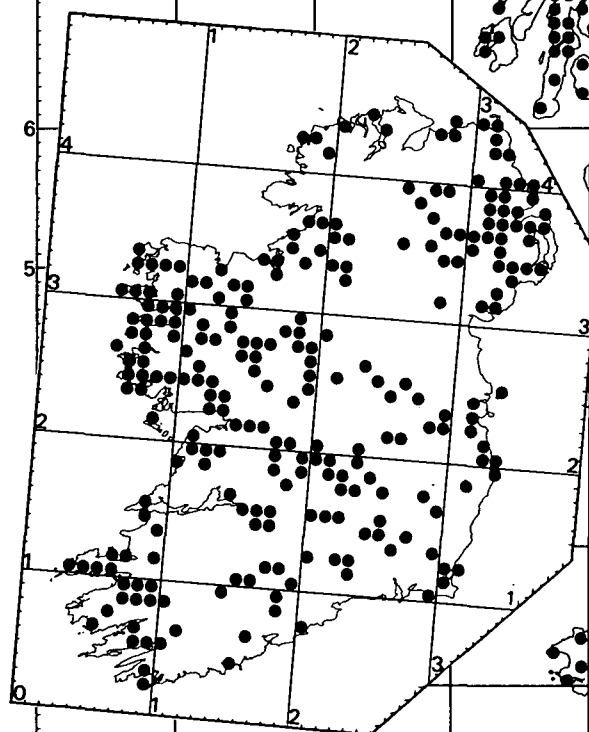
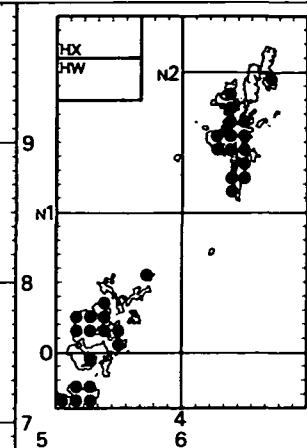


CHANNEL ISLANDS
PLOTTED ON
UTM GRID

184.
PISIDIUM
CASERTANUM
(Poli)

● all records

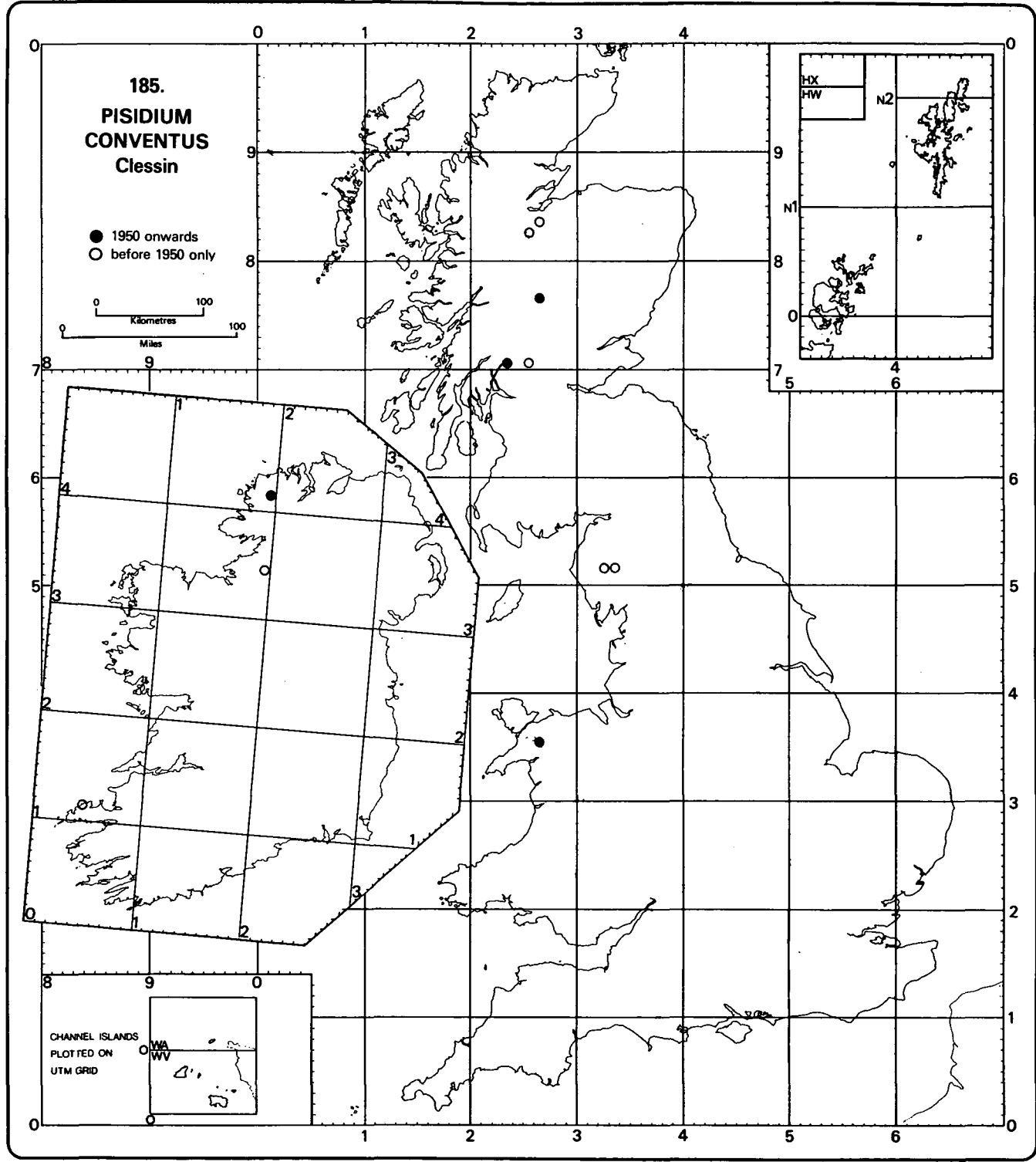
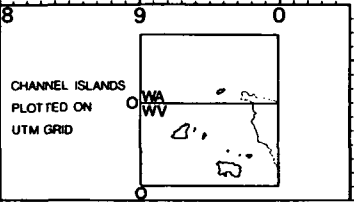
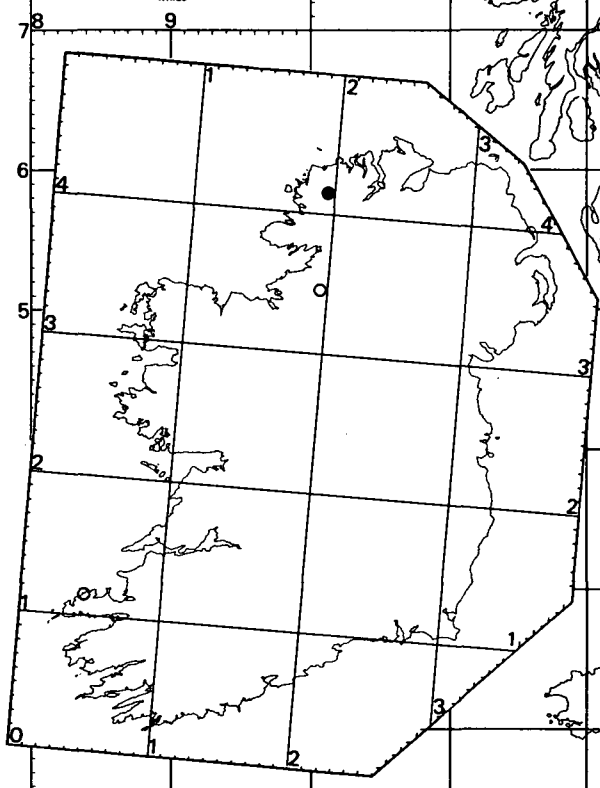
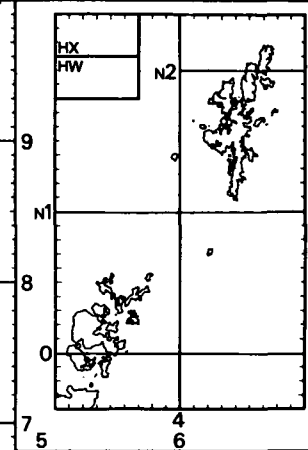
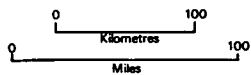
0 100
Kilometres
0 100
Miles



CHANNEL ISLANDS
PLOTTED ON
UTM GRID

185.
PISIDIUM
CONVENTUS
Clessin

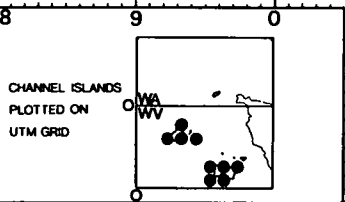
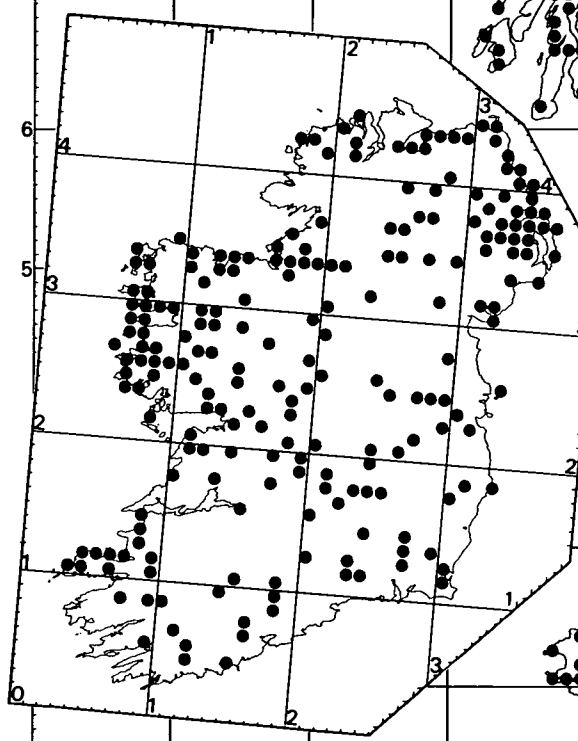
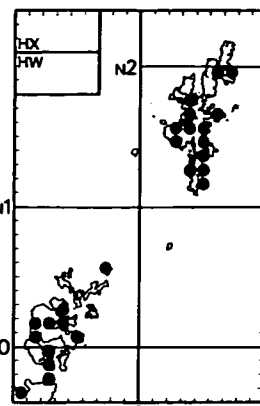
- 1950 onwards
- before 1950 only



186.
PISIDIUM
PERSONATUM
Malm

● all records

0 100
Kilometres
0 100
Miles

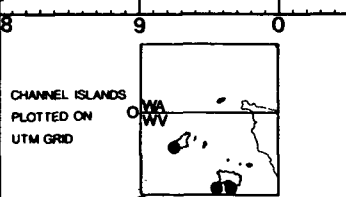
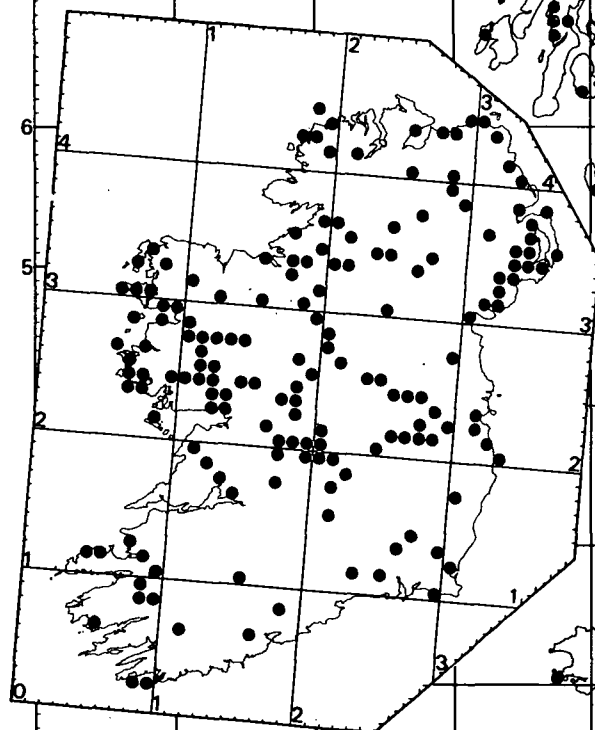
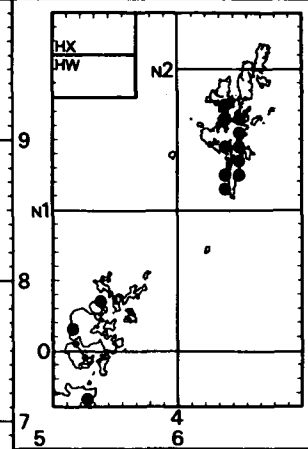


CHANNEL ISLANDS
PLOTTED ON
UTM GRID

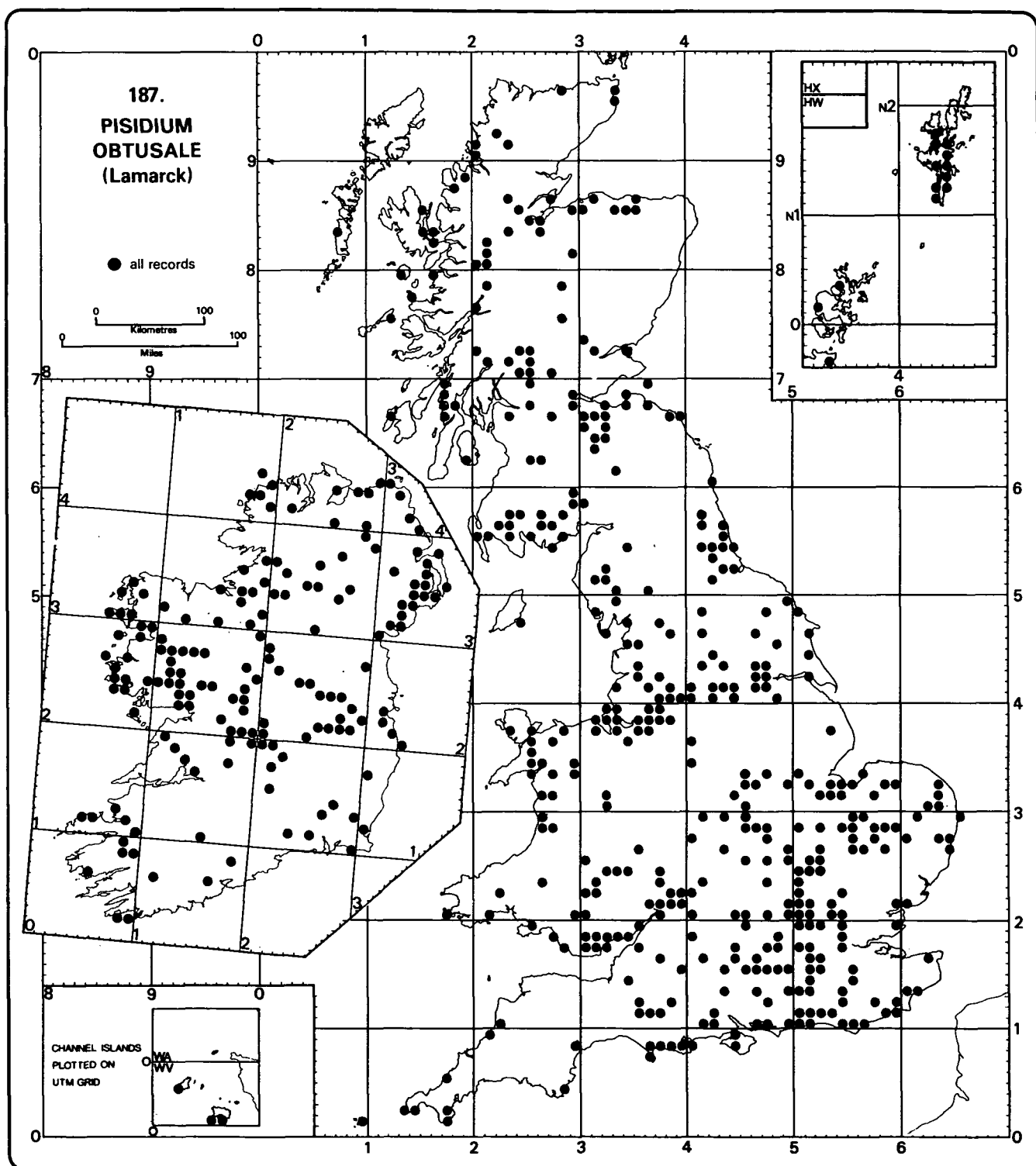
187.
PISIDIUM
OBTUSALE
(Lamarck)

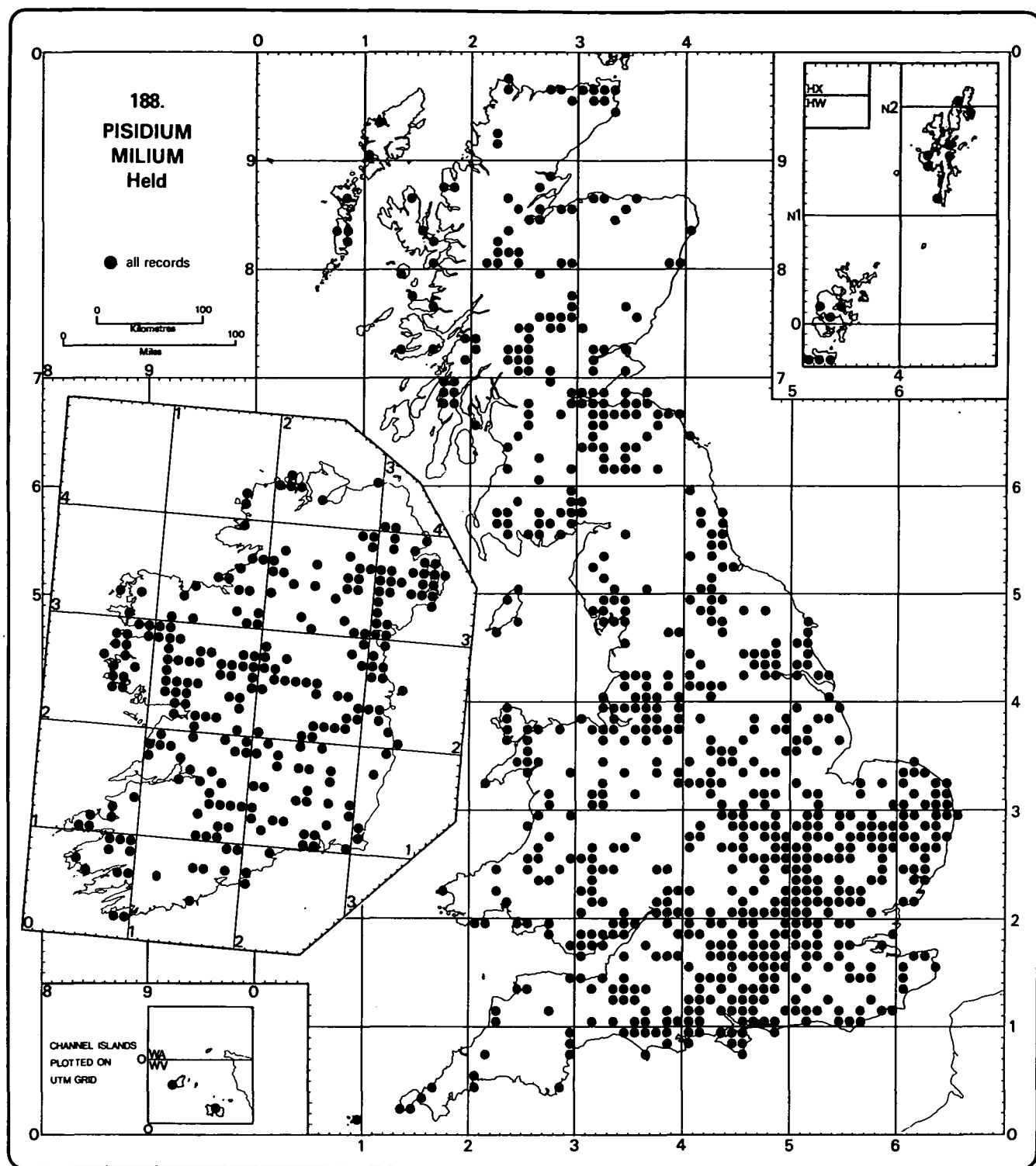
● all records

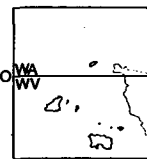
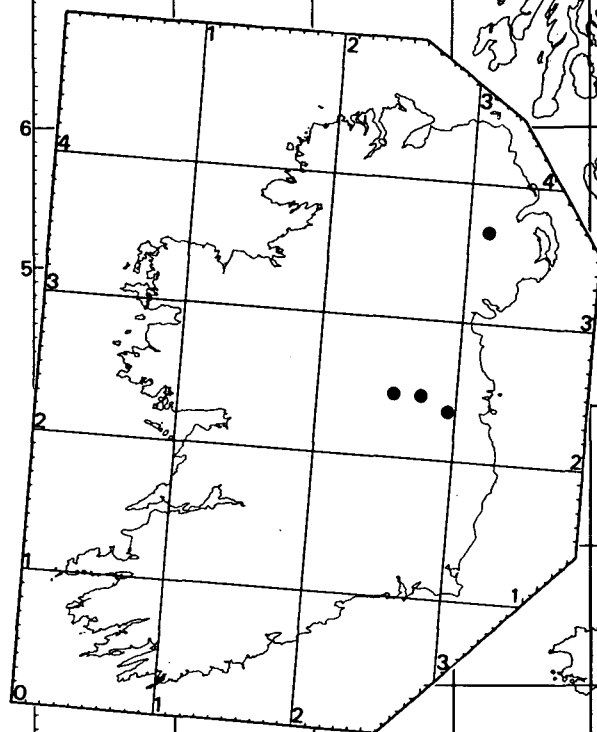
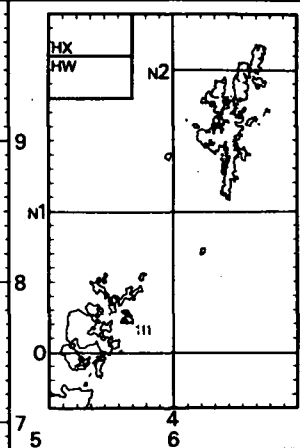
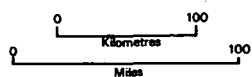
0 100
Kilometres
0 100
Miles



CHANNEL ISLANDS
PLOTTED ON
UTM GRID



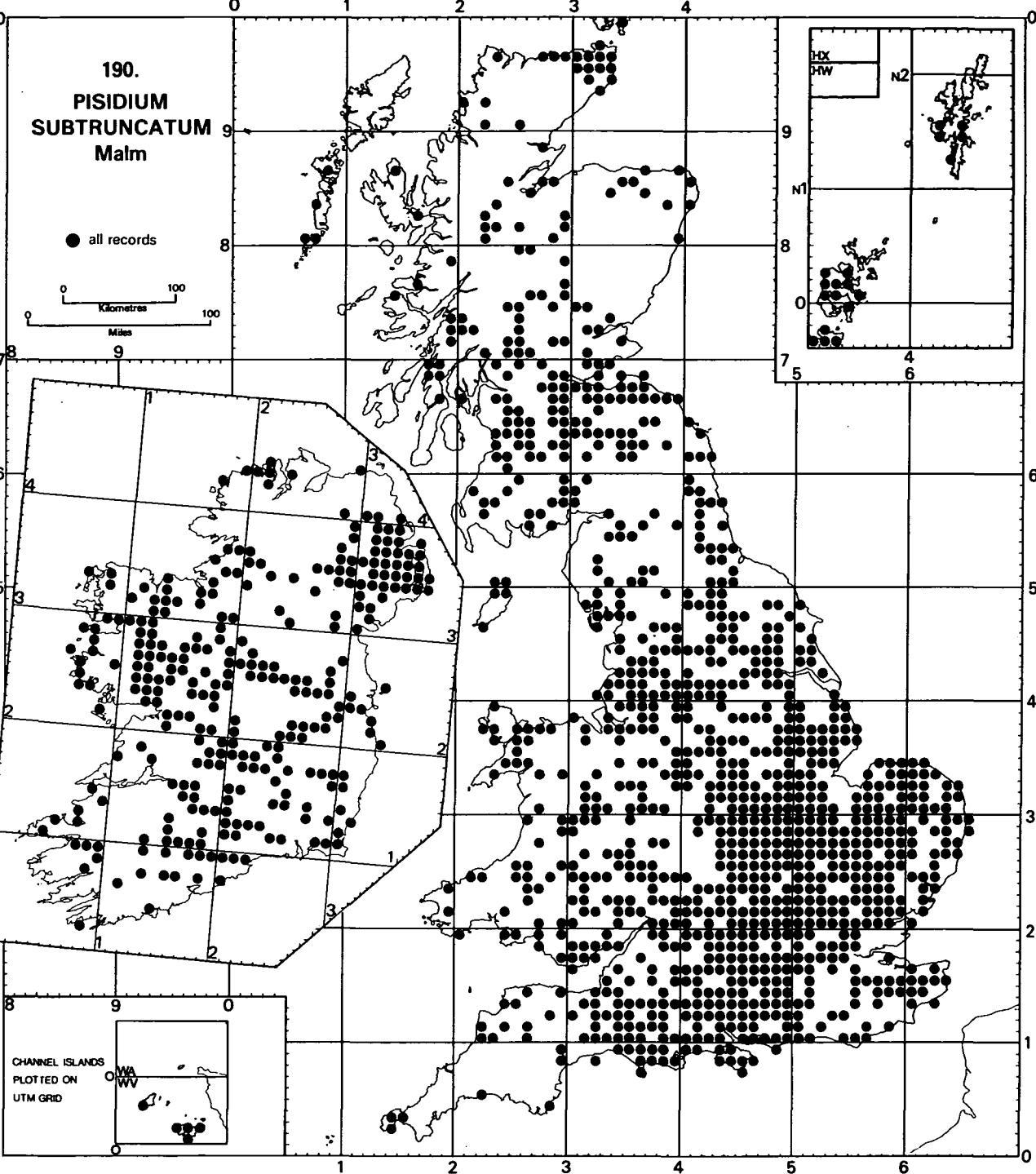
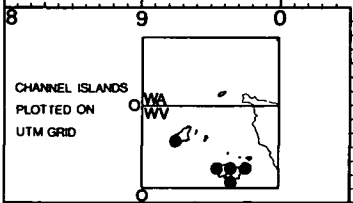
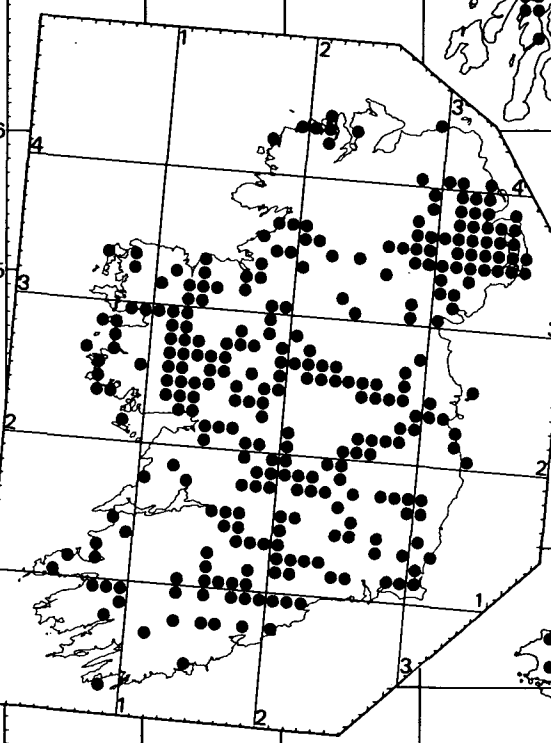
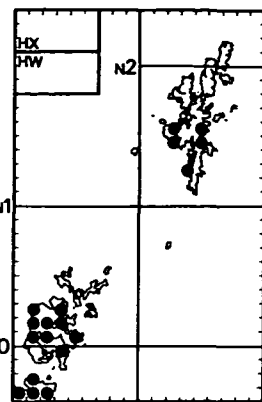




190.
PISIDIUM
SUBTRUNCATUM
Malm

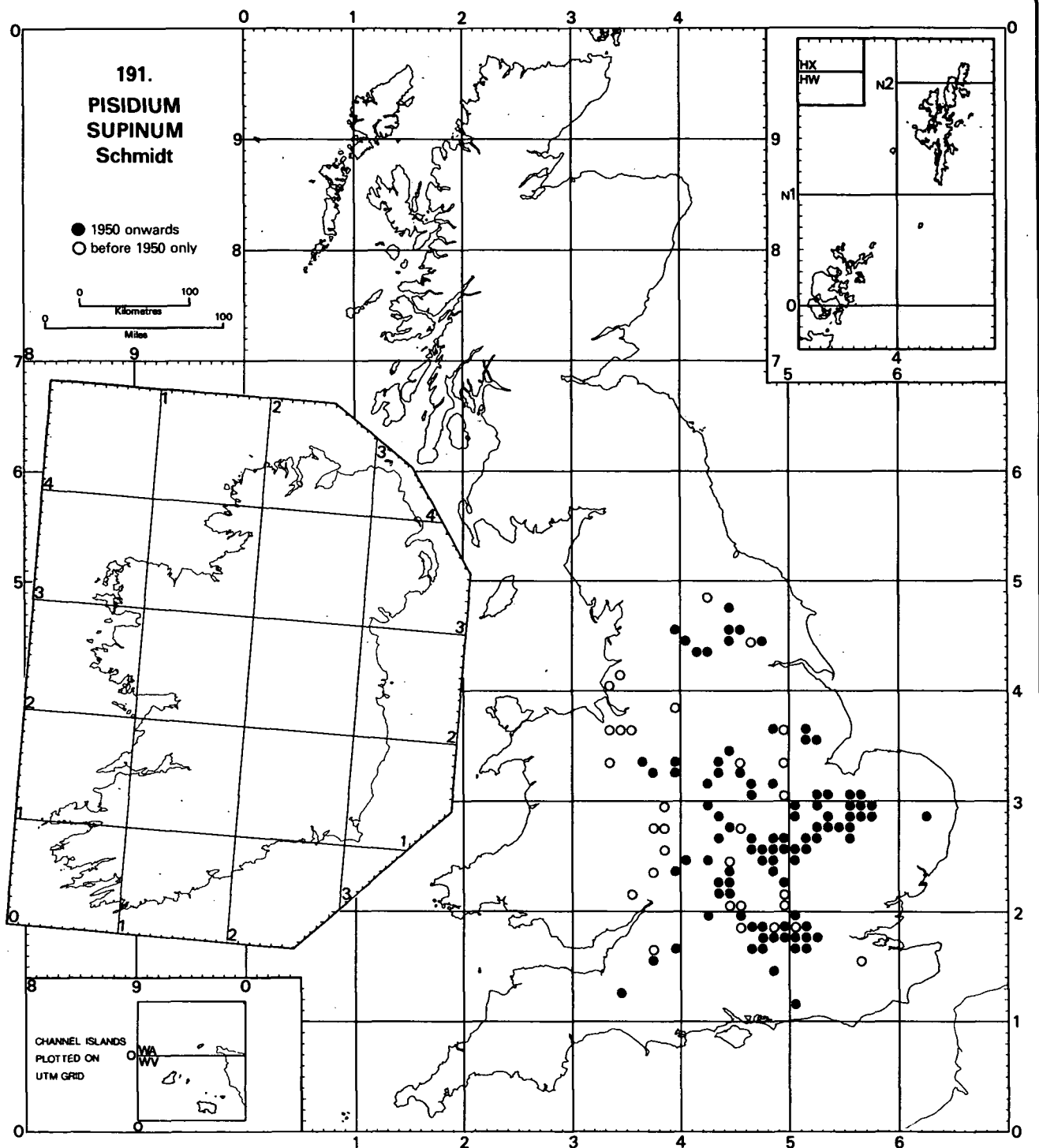
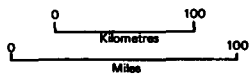
● all records

0 100
Kilometres
0 100
Miles



191.
PISIDIUM
SUPINUM
Schmidt

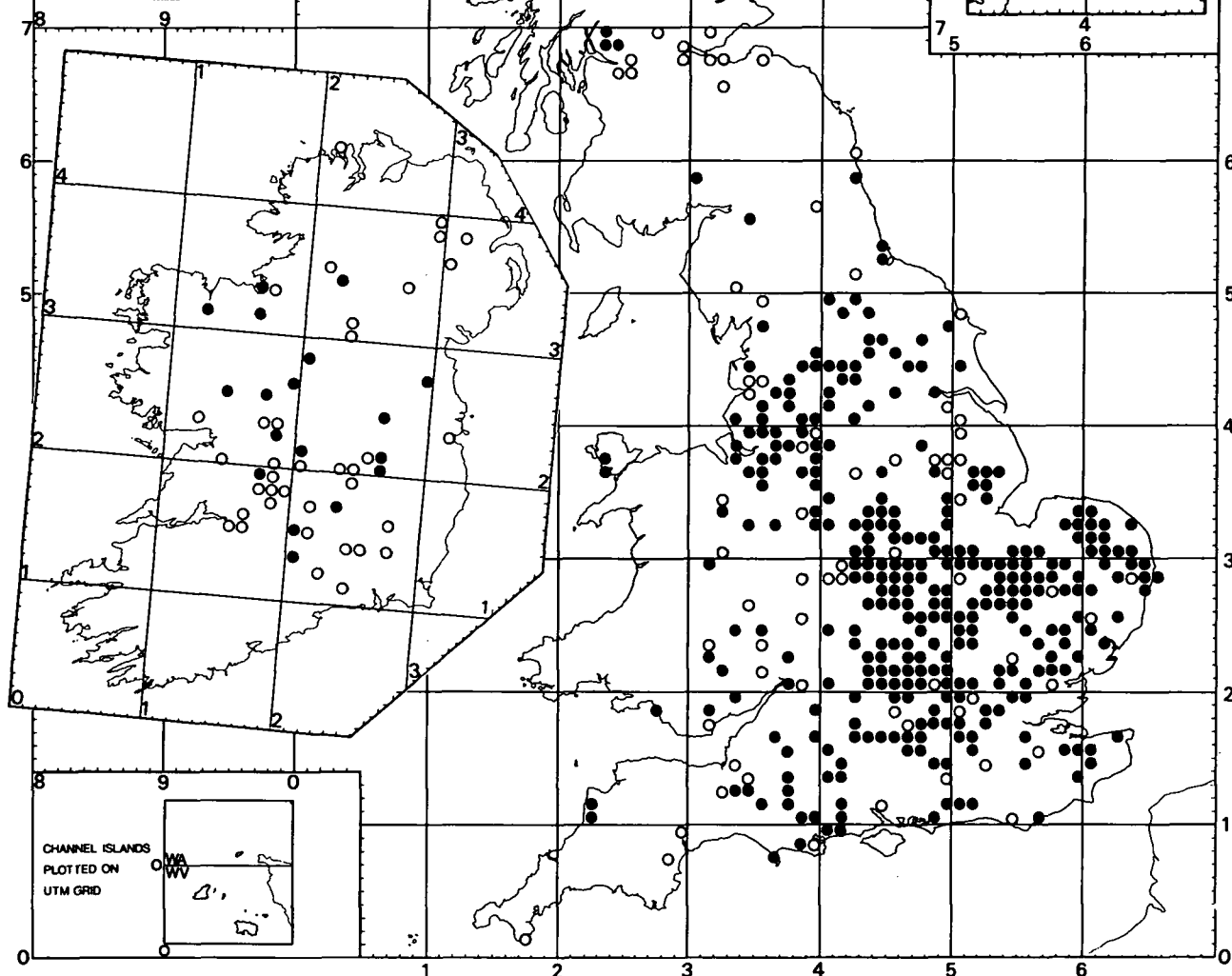
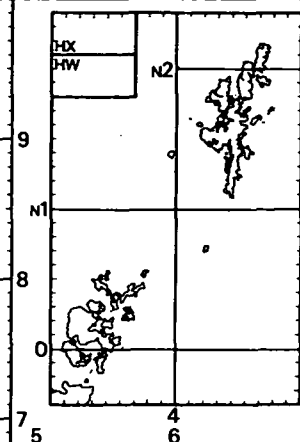
☒ 1950 onwards
☐ before 1950 only



192.
PISIDIUM
HENSLOWANUM
(Sheppard)

● 1950 onwards
○ before 1950 only

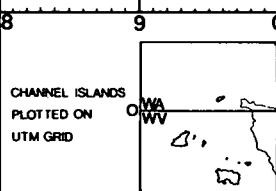
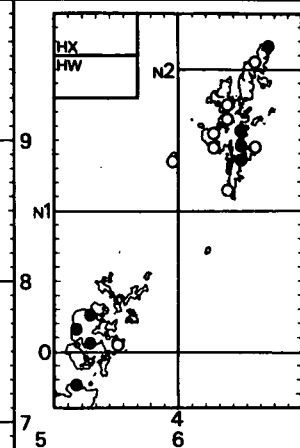
0 100
Kilometres
0 100
Miles



193.
PISIDIUM
LILLJEBORGII
Clessin

● 1950 onwards
○ before 1950 only

0 100
Kilometres
0 100
Miles

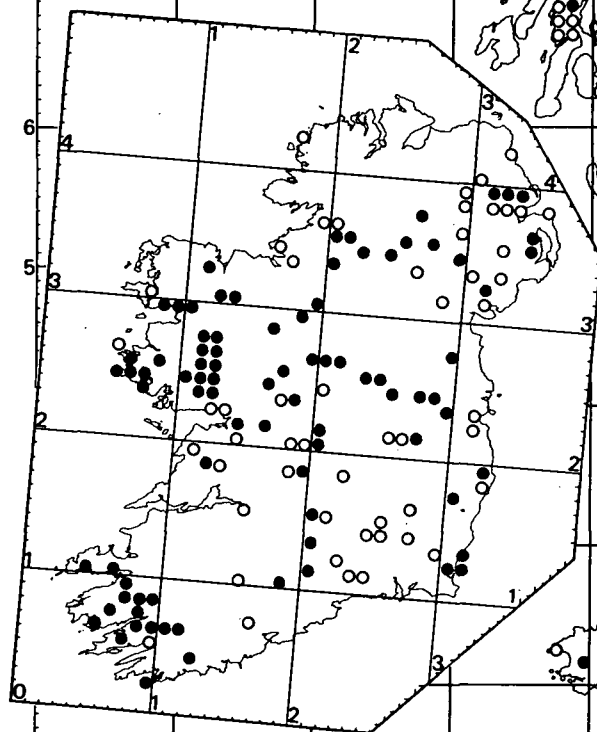
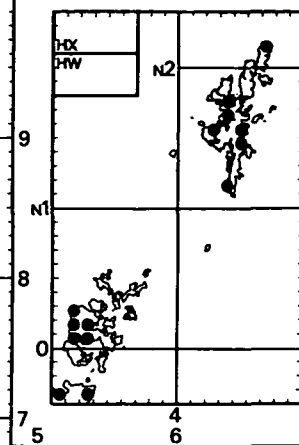


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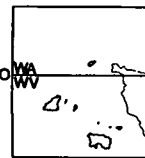
194.
PISIDIUM
HIBERNICUM
Westerlund

● 1950 onwards
○ before 1950 only

0 100
Kilometres
0 100
Miles



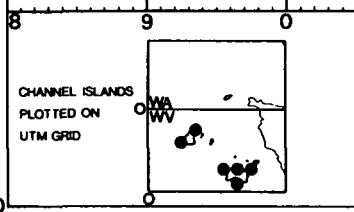
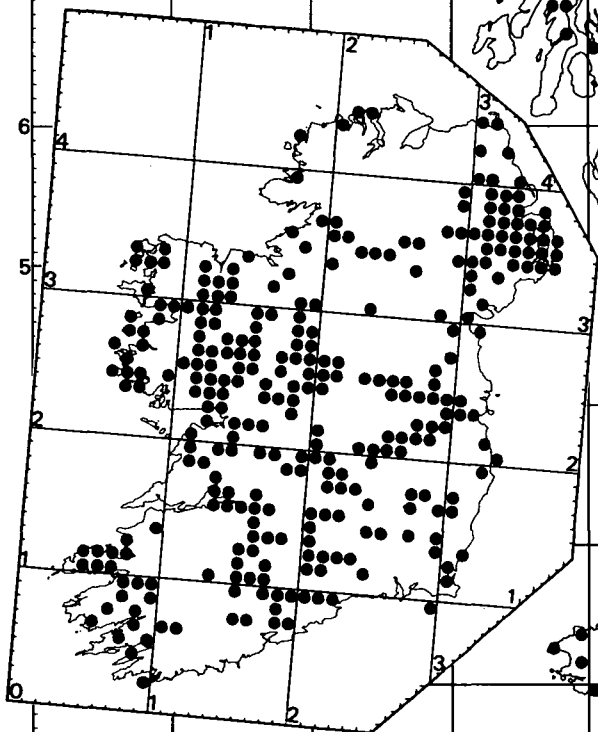
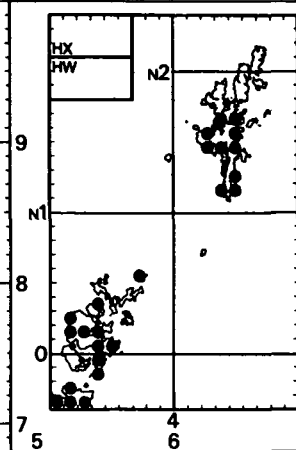
CHANNEL ISLANDS
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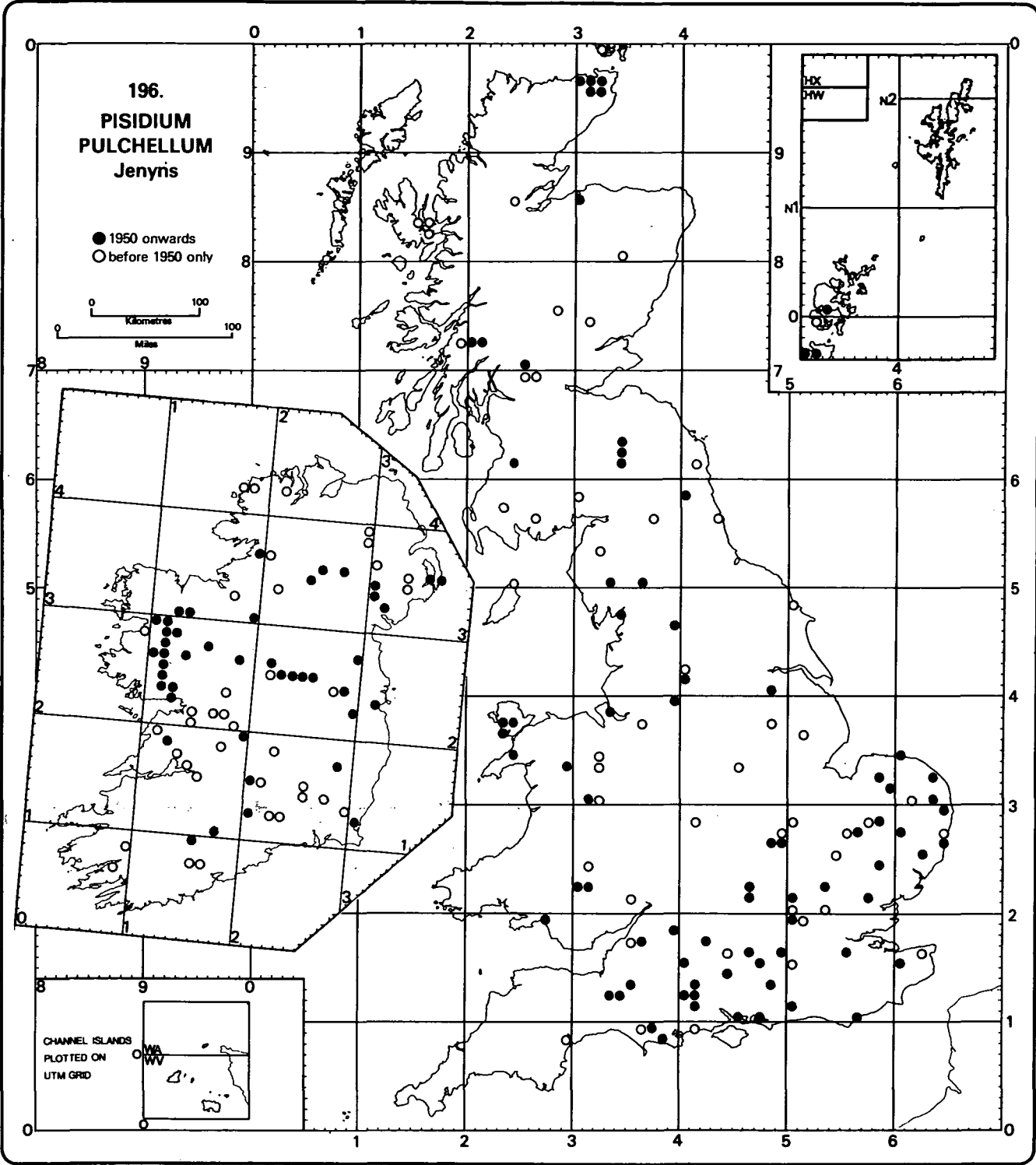
195.
PISIDIUM
NITIDUM
Jenyns

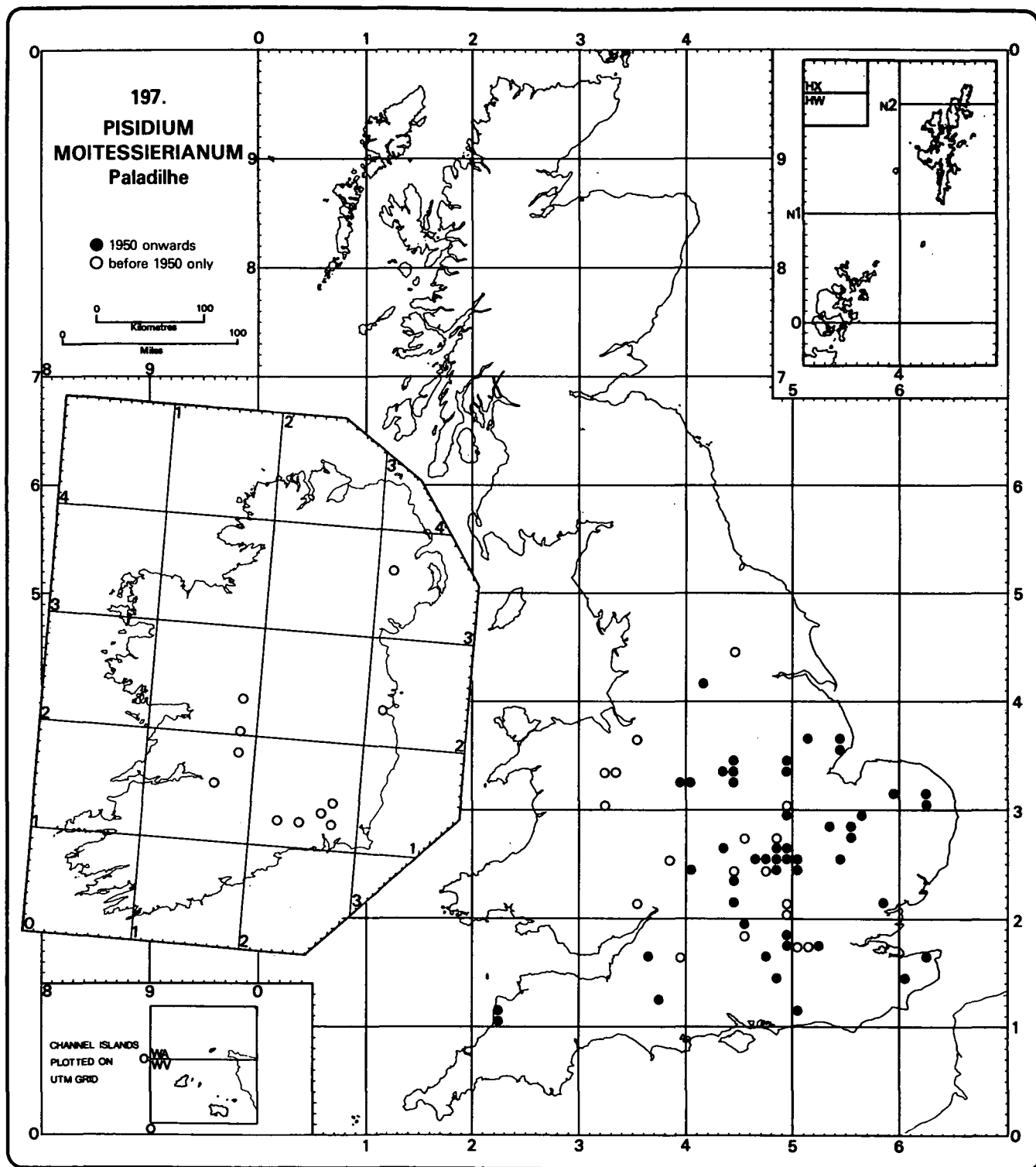
● all records

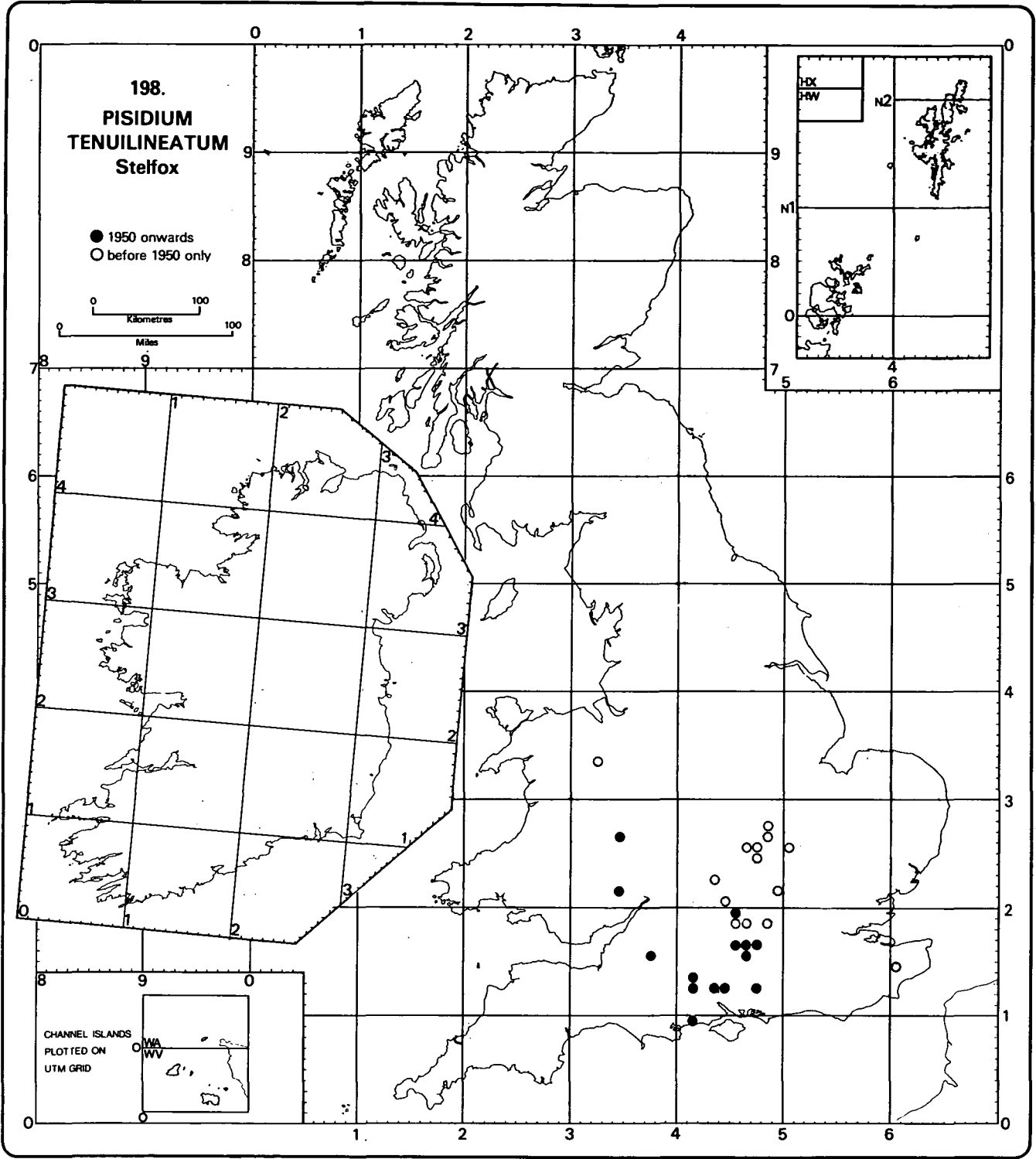
0 100
Kilometres
0 100
Miles

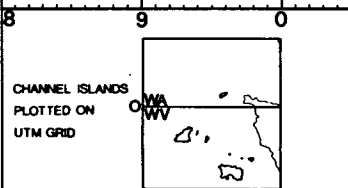
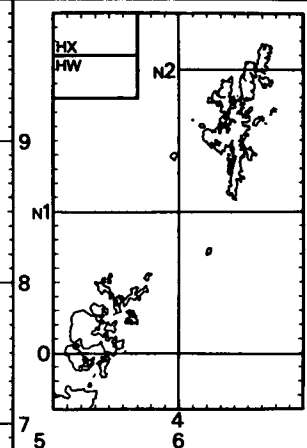
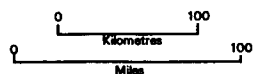


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